

SMT-C7140

Gebruiksaanwijzing

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Productnamen die in dit document worden genoemd, zijn mogelijk handelsmerken en/of gedeponeerde handelsmerken van de betreffende eigenaars.

Deze gebruiksaanwijzing kan zonder voorafgaande notificatie worden gewijzigd in verband met productverbeteringen, standaardisatie of andere technische oorzaken.

Neem voor meer informatie over de bijgewerkte gebruiksaanwijzing of de inhoud van de gebruiksaanwijzing contact op met uw erkende Samsung-leverancier.

VEILIGHEIDSINSTRUCTIES

Het doel van het hoofdstuk Veiligheidsoverwegingen is het waarborgen van de veiligheid van gebruikers en het voorkomen van schade aan eigendommen.

Lees dit document zorgvuldig door voor correct gebruik.

Conventies



Waarschuwing

Biedt informatie of instructies waar u zich aan moet houden om persoonlijk letsel of dodelijke ongevallen te voorkomen.



Let op

Biedt informatie of instructies waar u zich aan moet houden om een storing in de service of schade aan uw STB te vermijden.



Opmerking

Geeft aanvullende informatie voor referentiedoeleinden aan.



Controlepunten

Voorziet de operator van controlepunten voor een stabiele werking van het systeem.

Symbolen



Let op

Aanduiding van een algemene waarschuwing.



Beperking

Aanduiding van het verbod op een handeling voor een product.



Instructie

Aanduiding van een specifiek vereiste actie.



WAARSCHUWING

Netvoeding



Steek de stekker stevig in het stopcontact.



Raak de hoofdeenheid, de netkabel en de stekker nooit met natte handen aan.



Sluit nooit meerdere apparaten tegelijk op één stopcontact aan.



Als een video/geluidskabel na aansluiting warm wordt, verwijdt u de netkabel en neemt u direct contact op met de klantenservice.

Installatie/onderhoud



Plaats het product in een goed geventileerde ruimte.



Plaats het product niet in een vochtige of stoffige ruimte en vermijd plaatsing naast een verwarmingsapparaat.



Houd licht ontvlambare vloeistoffen en spuitbussen verwijderd van de STB.



Plaats geen zware voorwerpen op het product.



Dek de bovenkant niet af.



Haal tijdens onweer en wanneer u het apparaat een langere periode niet gebruikt de stekker uit het stopcontact.



Haal ingeval van een vreemd geluid, een vreemde geur of rookvorming direct de stekker uit het stopcontact en neem contact op met de klantenservice.

Algemeen



Controleer voordat u de STB aansluit of de coaxkabel goed geaard is.



Klasse 1 LED product.



Vraag de installateur te controleren of de aan te sluiten STB goed geaard is.



Dit product voldoet aan 21 CFR hoofdstuk 1, paragraaf J.



LET OP

Netvoeding



Zet de tv en STB uit voordat u deze aansluit, door de stekkers van de apparaten uit het stopcontact te halen.



Steek de stekker niet in het stopcontact als de netkabel nog niet op het product is aangesloten.



Het stopcontact moet zich dichtbij het apparaat bevinden en gemakkelijk toegankelijk zijn.



Voordat u het apparaat op de netvoeding aansluit, moet u zorgen voor een permanente beschermde aardeverbinding met de kabel distributie.

Installatie/onderhoud



Installeer het product op de juiste wijze en volgens de instructies in de gebruiksaanwijzing.



Spuit geen water direct op de eenheid en gebruik geen chemische oplosmiddelen, zoals was, anti-muggenspray, alcohol of schoonmaakmiddelen.



Plaats het product niet op een onstabiele ondergrond.



Haal het apparaat niet zelf uit elkaar en probeer het niet zelf te repareren of de samenstelling te wijzigen.



Geen antenne-aansluiting.



Verwijder de CableCARD™ niet van de STB.



Leg geen metalen voorwerpen zoals spelden, paperclips of munten bovenop het product.



Risico op elektrische schok.
NIET OPENEN.



Maak het apparaat schoon met een zachte, droge doek.



Waarschuwingen met betrekking tot gegevensverlies (HDD-beheer)

1. Wees voorzichtig dat de gegevens op de vaste schijf niet beschadigd raken wanneer u het apparaat gebruikt.
 - Zorg ervoor dat u de settopbox niet loskoppelt van de netvoeding wanneer het apparaat is ingeschakeld, en voorkom stoten tegen de settopbox. Hierdoor kunnen de gegevens beschadigd raken.
2. Omstandigheden waarin de vaste schijf en de gegevens op de schijf beschadigd kunnen raken
 - De harde schijf en de daarop aanwezige gegevens kunnen beschadigd raken door schokken tijdens transport of installatie van de settopbox.
 - De vaste schijf en de gegevens kunnen beschadigd raken als er zich een stroomstoring voordoet terwijl de vaste schijf in gebruik is.
 - De gegevens kunnen door diverse oorzaken niet meer te herstellen zijn.

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VOORDAT U DE STB IN GEBRUIK NEEMT

HD PVR-kabel STB

De SMT-C7140 is een HD PVR (Personal Video Recorder) kabel STB (Set-top box).

Belangrijkste functies van de SMT-C7140

HD (High Definition) Video Display

Ondersteunt de weergave van hoge resolutie video tot 1080p, zodat u van heldere en scherpe beelden kunt genieten.

Dolby Digital Sound

Produceert een realistisch digitaal geluid door het product via de SPDIF-poort aan te sluiten op een versterker die Dolby Digital ondersteunt.

EPG-ondersteuning

Met behulp van de Elektronische Programma Gids (EPG) kunt u de programma-informatie en het uitzendschema van een bepaalde zender raadplegen en de programma's kiezen die u wilt bekijken.

PVR-functies

U kunt kiezen uit de volgende mogelijkheden:

- U kunt maximaal twee programma's tegelijk opnemen.
Wanneer u dit doet, kunt u alleen de lopende opnamen bekijken.
- U kunt het door u bestelde programma (video on demand, VOD) bekijken terwijl u opneemt. U kunt pauzeren, afspelen, terugspoelen en vooruitspoelen.

[Timeshift]

Met de Timeshift-functie kunt u een live programma opnemen en binnen het programma voor- en achteruitspoelen. Omdat het programma dat u aan het bekijken bent wordt opgenomen, kunt u een gedeelte van het programma dat u gemist heeft alsnog bekijken.

De Timeshift-functie kan worden gestart door op de toets **Pauze** () te

drukken en worden gestopt door op de toets **Stop** () te drukken.

De Timeshift-functie maakt voor de opname gebruik van een buffergeheugen op de harde schijf.


[Direct opnemen]

U kunt het programma dat u op dat moment bekijkt automatisch opnemen. Wanneer u van zender wisselt, start de tijdelijke opname van het programma. Zodra u weer teruggaat naar de betreffende zender, wordt de opname gestopt. Zodra een tijdelijke opname stopt, wordt tegelijkertijd een andere opname gestart.

[Opnemen]

U kunt tv- of radioprogramma's alleen op de interne schijf opnemen door op de afstandsbediening of het bedieningspaneel op de toets **REC** () te drukken.

[Actieve standby-stand/Standby-stand]

Wanneer u op de toets **POWER** () drukt terwijl de STB in gebruik is (in de actieve modus), wordt de STB van de actieve modus naar de actieve standby-modus geschakeld.

In de actieve standby-modus kan aanzienlijk sneller naar de actieve modus worden geschakeld dan vanuit de standby-modus (aangezien de STB niet volledig wordt uitgeschakeld waardoor het opstartproces wordt verkort). Na 5 minuten wordt de STB automatisch naar de standby-modus geschakeld (**dit kan standaard worden gewijzigd via (menu) Instellingen → Time-out diepe standby**).

In de standby-modus is de STB niet langer actief, waardoor het schakelen naar de actieve modus een langer opstartproces vereist. Dit duurt dan ook langer dan schakelen naar de actieve modus vanuit de actieve standby-modus.

Elke 58 minuten schakelt de STB vanuit de standby-modus gedurende 2 minuten naar de upgrademodus. In deze upgrademodus ontvangt de STB service-informatie zoals EMM's, TDT, TOT.

Elke 58 minuten wordt door de STB een scanupdate uitgevoerd.

Inhoud verpakking

Controleer of de verpakking de volgende items bevat:



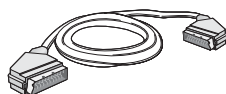
SMT-C7140



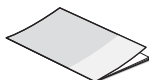
RF-kabel



HDMI-kabel



SCART-kabel



Gebruiksaanwijzing



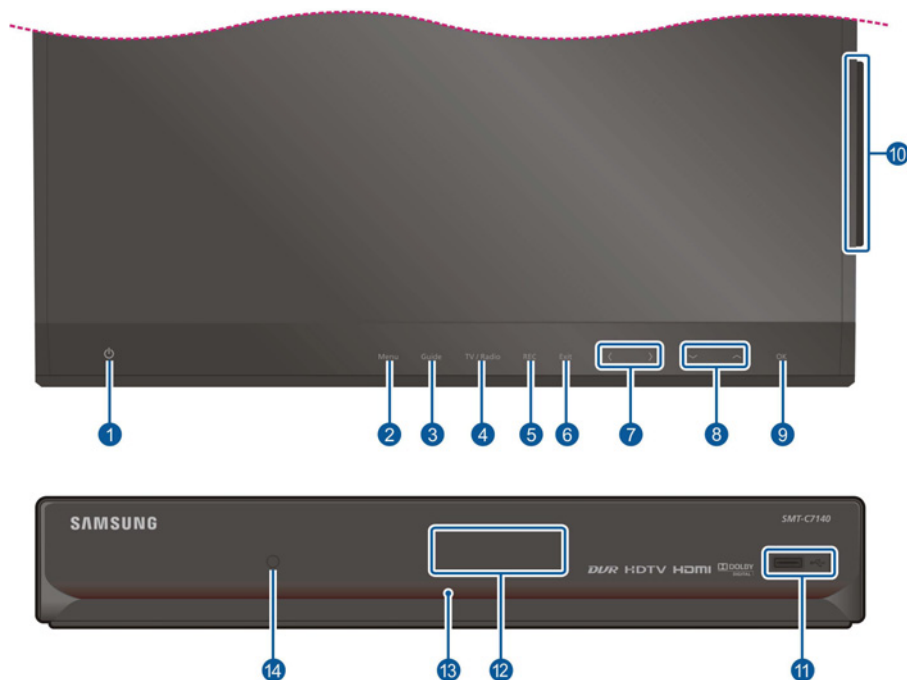
Afstandsbediening
(met AAA-batterijen)

Onderdelen en functies

Dit hoofdstuk geeft een beschrijving van de namen en functies van de diverse onderdelen.

Touchpad en voorpaneel

Dit hoofdstuk beschrijft het touchpad en het bedieningspaneel aan de voorkant van de STB.



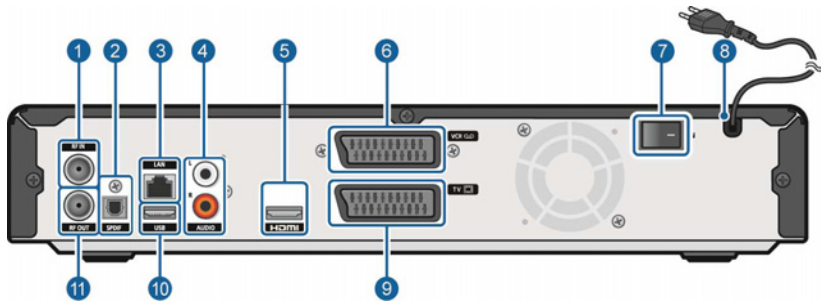
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VOORDAT U DE STB IN GEBRUIK NEEMT

Naam	Beschrijving
① Power	De status van de STB wijzigen van standby naar actief.
② Menu	Het hoofdmenu weergeven.
③ Guide	De zendergids weergeven.
④ TV/Radio	Wisselen tussen de tv- en radiodiensten.
⑤ REC	Het programma op de harde schijf opnemen.
⑥ Exit	Het menu en de zendergids sluiten.
⑦ < / >	Naar timeshift pauzemodus gaan/horizontaal verplaatsen in menu.
⑧ v/^	Verticaal verplaatsen in menu.
⑨ OK	De menu en functie kiezen.
⑩ Smart Card-sleuf	Plaats hier de Smart Card.
⑪ USB	Aansluitmogelijkheid voor een USB-stick/geheugen.
⑫ Weergavescherm	De programma-informatie e.d. weergeven.
⑬ Rood LED lampje	Het rode lampje is aan wanneer de STB in de actieve modus staat, en aan het begin van het opstartproces.
⑭ Infraroodontvanger	Signalen ontvangen van de afstandsbediening.

Achterpaneel

Dit hoofdstuk beschrijft de namen en functies van de poorten op het achterpaneel.



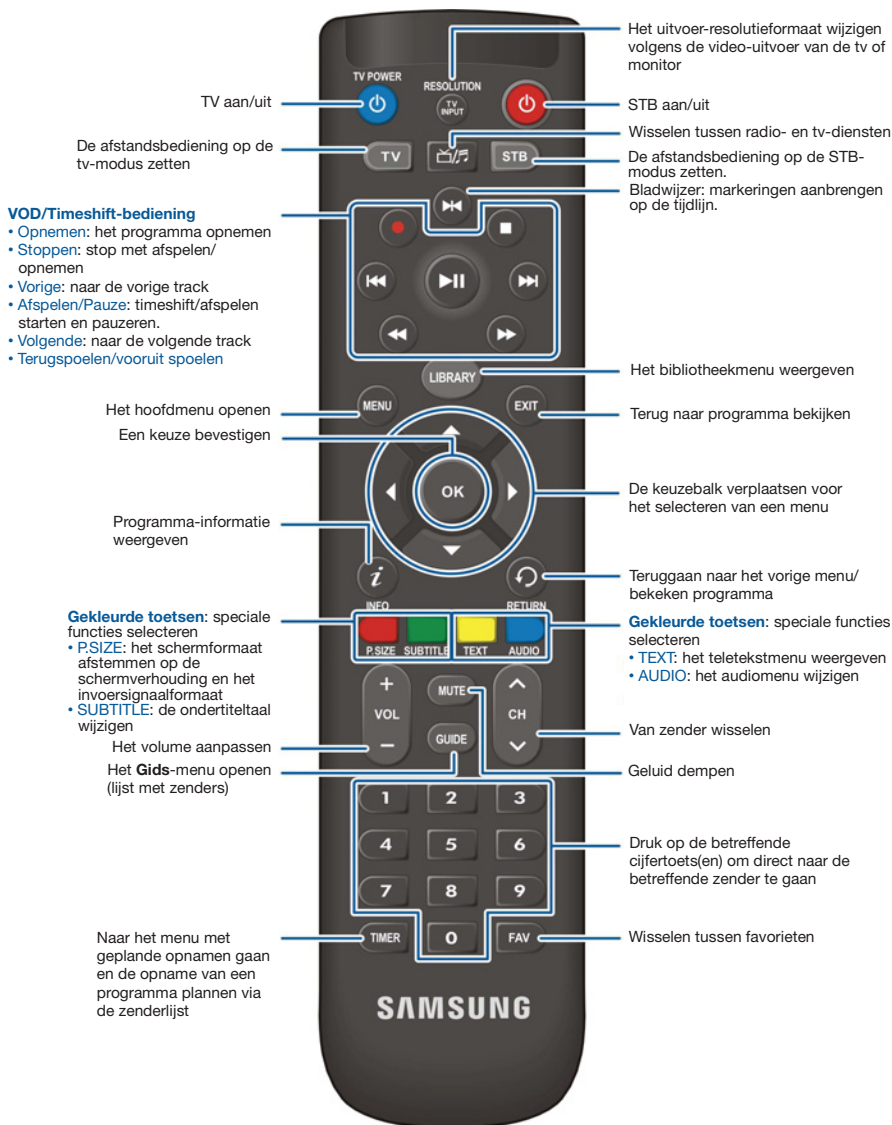
Naam	Beschrijving
1 RF IN	Poort waarmee u een RF-antenne via een coaxkabel op de STB aansluit.
2 SPDIF	Digitale audio-uitvoerpoort waarmee de STB via een optische kabel wordt aangesloten op een audiosysteem met een SPDIF-poort.
3 LAN	Op deze LAN-poort kan een netwerkkabel worden aangesloten (toekomstig gebruik).
4 AUDIO OUT (L, R)	Audio-uitvoerpoort om de STB via een audiokabel (L/R) aan te sluiten op een algemene analoge tv, videorecorder, radio, e.d.
5 HDMI OUT	HDMI-uitvoerpoort om een tv via een HDMI-kabel op de STB aan te sluiten.
6 VCR SCART	VCR SCART-uitvoerpoort om een videorecorder via een SCART-kabel op de STB aan te sluiten.
7 Aan/uit schakelaar	Schakelaar om de STB aan/uit te zetten.
8 Netkabel	Kabel voor aansluiting op het lichtnet.
9 TV SCART	TV SCART-uitvoerpoort om een tv via een SCART-kabel op de STB aan te sluiten.
10 USB	Poort voor aansluiting van een USB-stick/geheugen.
11 RF OUT	RF-poort om een tv via een RF-kabel op de STB aan te sluiten, zodat u tv kunt kijken.

NED

VOORDAT U DE STB IN GEBRUIK NEEMT

Afstandsbediening

Dit hoofdstuk beschrijft de functie van de toetsen op de afstandsbediening.





Batterij afstandsbediening

Gebruik in verband met de levensduur van de batterij alleen alkaline batterijen (geen standaard batterijen) voor de afstandsbediening. Gebruik van standaard batterijen kan leiden tot problemen met de afstandsbediening.

- Gebruik voor de afstandsbediening twee identieke, nieuwe batterijen.
- Als u de afstandsbediening langere tijd niet gebruikt, adviseren wij u de batterijen te verwijderen.

NED

VOORDAT U DE STB IN GEBRUIK NEEMT

TV bedienen met de afstandsbediening


U kunt met de afstandsbediening ook een tv bedienen. Er zijn twee manieren om de afstandsbediening te programmeren.

Door automatisch de code te laten zoeken

1

Zet de tv aan.

2

Houd de toets **TV** () ingedrukt, totdat het lampje op de afstandsbediening gaat branden.

3

Druk kort op de toets **Pijl omhoog** () totdat de tv uit gaat.

4

Als de tv uit is gegaan, drukt u kort op de toets **OK** (), het lampje knippert drie keer.


- Als de afstandsbediening of tv niet reageert, herhaalt u deze stappen.

Door het nummer van de tv-fabrikant in te geven

1

Zoek in de bijlage het 3-cijferige 'TV-fabrikantnummer' van uw tv op en zet de tv aan.

2

Houd de toets **TV** () ingedrukt totdat het lampje op de afstandsbediening gaat branden.

3

Geef de 3-cijferige code in; het lampje knippert drie keer.

- Als de afstandsbediening niet reageert, herhaalt u deze stappen met een andere code voor uw tv.



- Niet alle tv-modellen van andere leveranciers kunnen met de afstandsbediening bediend worden en sommige functies werken mogelijk niet.
- Als u de batterijen van de afstandsbediening vervangt of een nieuw tv-fabrikantnummer ingeeft, wordt het vorige tv-fabrikantnummer verwijderd.
- Wanneer een aangesloten apparaat een geïntegreerd tv-model betreft (videorecorder, dvd-speler), moet u voorzichtig zijn bij het gebruik van de afstandsbediening, omdat deze beide apparaten tegelijk kan bedienen.
- Als het tv-fabrikantnummer niet werkt, probeert u een ander nummer.

De videoresolutie instellen

U kunt de instellingen van de STB aanpassen aan de resolutie van de tv of monitor die op de STB is aangesloten. U kunt ook heel eenvoudig het beeldformaat wijzigen.

De resolutie instellen

De SMT-C7140 ondersteunt de uitvoer via HDMI en SCART.

Voor HDMI-uitvoer worden 6 resolutietypes ondersteund: 576p/720p/1080i/1080p 24fps/1080p 25fps/1080p 50fps. Voor de SCART-uitvoer wordt alleen 576i ondersteund.

U kunt de instelling als volgt wijzigen:

Druk op de toets **RESOLUTION** () van de afstandsbediening.

Door herhaaldelijk op de toets te drukken, wijzigt de resolutie.

Deze wordt rechts bovenaan het scherm getoond.

Om de gewijzigde resolutie toe te passen, wordt een bevestigingsmelding getoond:

- Als u **[Ja]** selecteert, wordt de instelling doorgevoerd.
- Als u **[Nee]** selecteert of circa 10 seconden wacht zonder op een toets te drukken, gaat u terug naar de huidige resolutie-instelling.

Schermformaat

De SMT-C7140 ondersteunt 3 schermformaten.

- 16:9 tv-schermmverhouding: Tv- functie gebruiken, Pillar box en Zoom
- 4:3 tv-schermmverhouding: Tv- functie gebruiken, Letter box en Zoom

U kunt de instelling als volgt wijzigen:

Druk op de toets **P.SIZE** () op de afstandsbediening.

Door herhaaldelijk op de toets te drukken, wijzigt het schermformaat.

Deze wordt rechts bovenaan het scherm weergegeven.

INSTALLATIE

Dit hoofdstuk beschrijft hoe u de STB (SMT-C7140) installeert.

Installatie-omgeving

Onderstaande tabel bevat de eisen voor de installatie-omgeving van de STB.

Onderwerp	Beschrijving
Gebruikstemperatuur	0-40°C
Luchtvochtigheid tijdens gebruik	20-80% (40°C)
Voltage, frequentie	AC 230 V +/- 15%, 50 Hz
Stroomverbruik	Max. 30 W
Uitzendfrequentie	47-870 MHz



Bij gebruik en installatie van het product:

Het product mag alleen worden gebruikt in een omgeving die aan de gespecificeerde eisen voldoet. Anders kan schade aan het product ontstaan of de levensduur hiervan bekort worden.

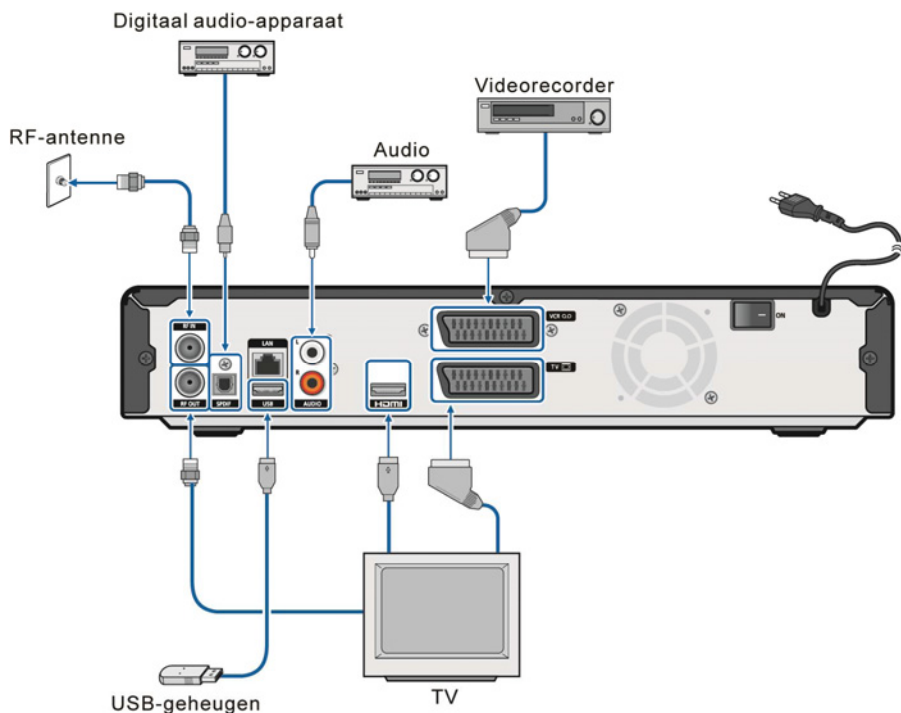


Bij aansluiting van een STB op randapparatuur:

- Vraag de technicus te controleren of de netvoeding van de tv- of videorecorder die op de STB wordt aangesloten goed geaard is. Als dit niet het geval is, kan er brand ontstaan.
- Als de video/audiokabels na aansluiting zeer warm worden, dient u contact op te nemen met de klantenservice. Een dergelijke situatie kan tot brand leiden.

Randapparatuur aansluiten

Dit hoofdstuk beschrijft hoe u kabels en randapparatuur op de STB aansluit.



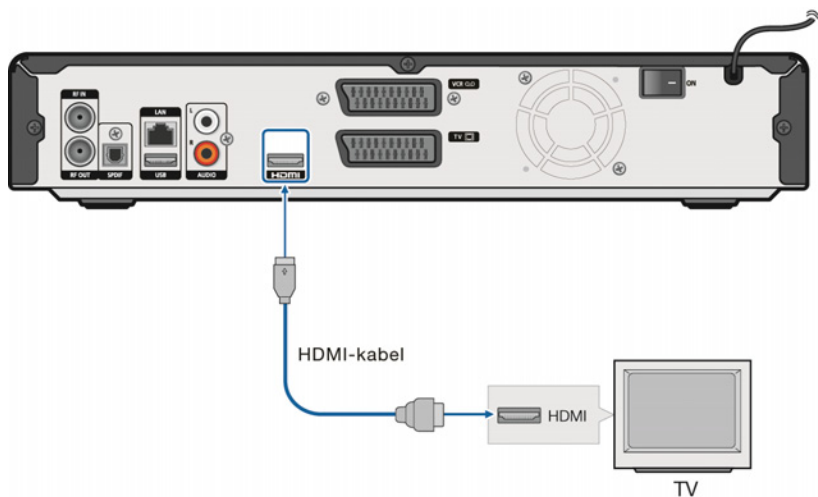
(De illustratie kan afwijken van het werkelijke product.)

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INSTALLATIE

De STB aansluiten op een tv met een HDMI-poort

Dit hoofdstuk beschrijft hoe u een tv met een HDMI-poort op de STB kunt aansluiten.



Verbind de **HDMI**-poort aan de achterkant van de STB door middel van de HDMI-kabel met de **HDMI**-poort van de tv.

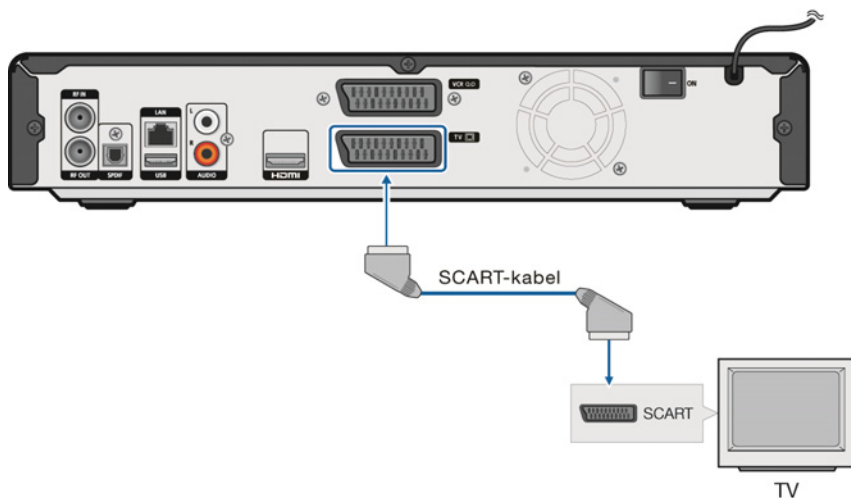


High Definition Multimedia Interface (HDMI)

De HDMI-poort is een geïntegreerde video-audioport die high-definition beelden biedt bij aansluiting van de STB op een HDTV. Sluit deze aan op de HDMI-poort van een HDTV.

De STB aansluiten op een tv met een SCART-poort

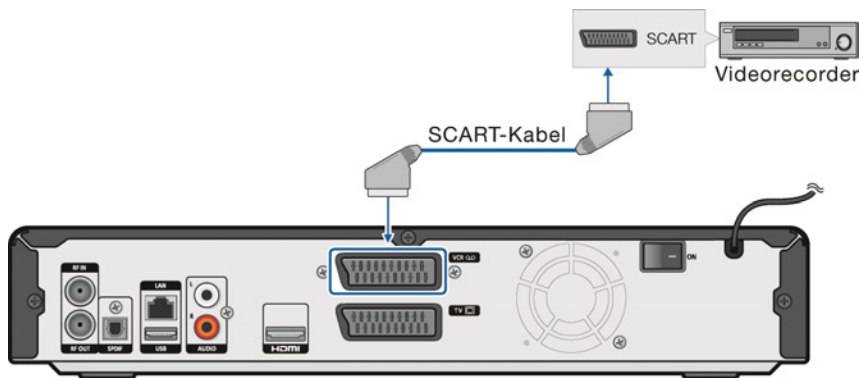
Dit hoofdstuk beschrijft hoe u een tv met een SCART-poort op de STB kunt aansluiten.



Verbind de **TV SCART**-poort aan de achterkant van de STB door middel van een SCART-kabel met de **SCART**-poort van de tv.

De STB aansluiten op een videorecorder met een SCART-poort

Dit hoofdstuk beschrijft hoe u een videorecorder met een SCART-poort op de STB kunt aansluiten.



Verbind de **VCR SCART**-poort aan de achterkant van de STB door middel van een SCART-kabel met de **SCART**-poort van de videorecorder.



Bij aansluiting op een videorecorder:

Zet voordat u de videorecorder op de STB aansluit zowel de videorecorder als de STB uit en haal de stekkers van de apparaten uit het stopcontact. Sluit ze vervolgens op elkaar aan. Meer informatie hierover vindt u in de gebruiksaanwijzing van de videorecorder.

- Het is mogelijk dat de videorecorder programma's met anti-opnamesignalen niet goed opneemt.

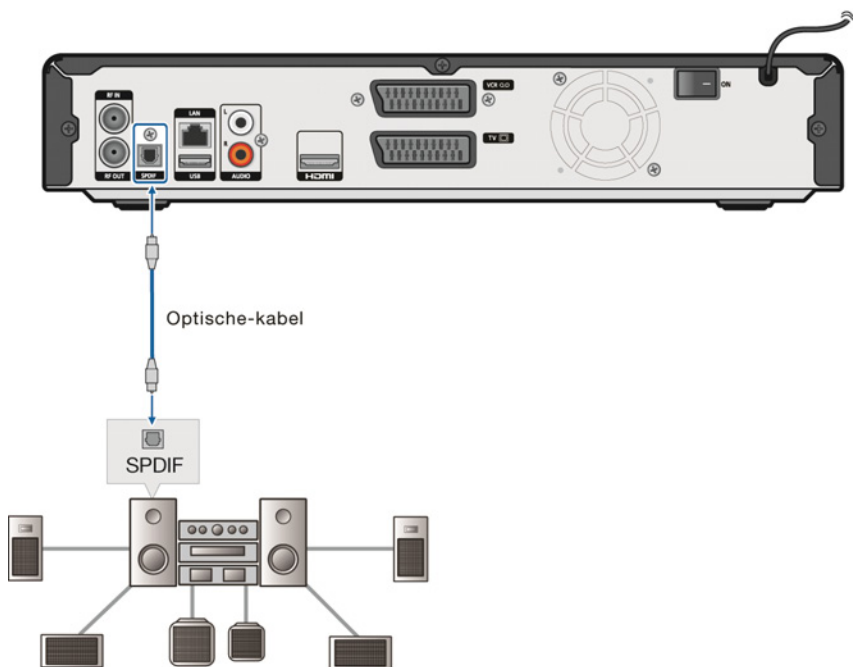


Mededeling over aanbevolen installatie van Macrovision

Sluit het apparaat bij voorkeur niet op een videorecorder aan. Videosignalen die van een videorecorder worden ontvangen kunnen beïnvloed worden door copyright-beveiligingsystemen, waardoor het beeld vervormd wordt weergegeven op de tv.

De STB aansluiten op een digitaal audio-apparaat

Dit hoofdstuk beschrijft hoe u een digitaal audio-apparaat (versterker of thuisbioscoopstelsel met een Dolby Digital decodeerfunctie) aansluit.



Verbind de **DIGITAL AUDIO OUT**-poort aan de achterkant van de STB door middel van de optische-kabel voor digitale audio met de **Digital audio in (SPDIF)**-poort van een Dolby Digital audio-apparaat.

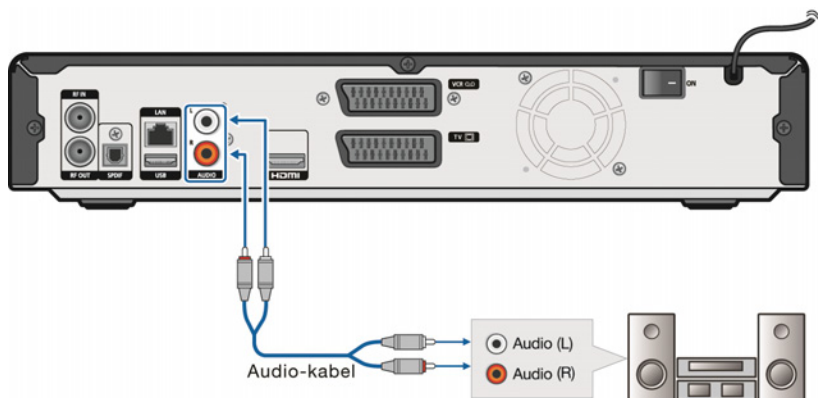


Bij aansluiting op een Dolby Digital audio-apparaat:

- Wanneer de Dolby Digital-versterker wordt aangesloten op een digitale geluidsuitgang, moet u de digitale geluidsuitgang met de geluidsuitgang van de tv verbinden ingeval een tv-luidspreker wordt gebruikt.
- Wanneer de digitale geluidsuitgang wordt gebruikt, moet u het volume via de digitale versterker regelen, niet via de STB.

De STB aansluiten op een audio-apparaat

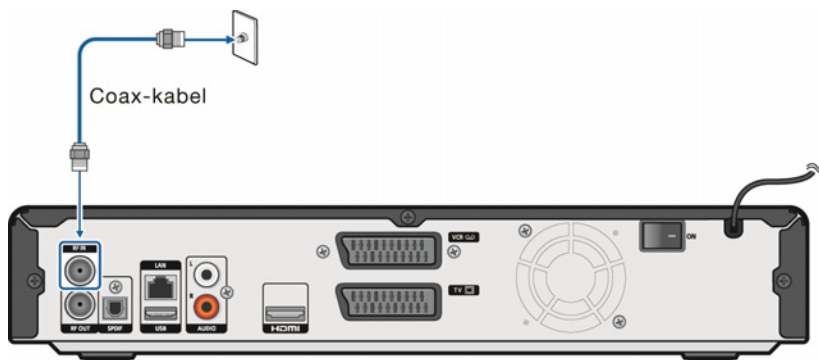
Dit hoofdstuk beschrijft de aansluiting op een audio-apparaat.



Verbind de **AUDIO**-poort aan de achterkant van de STB door middel van een audio-kabel met de **Audio**-poort van het audioapparaat.

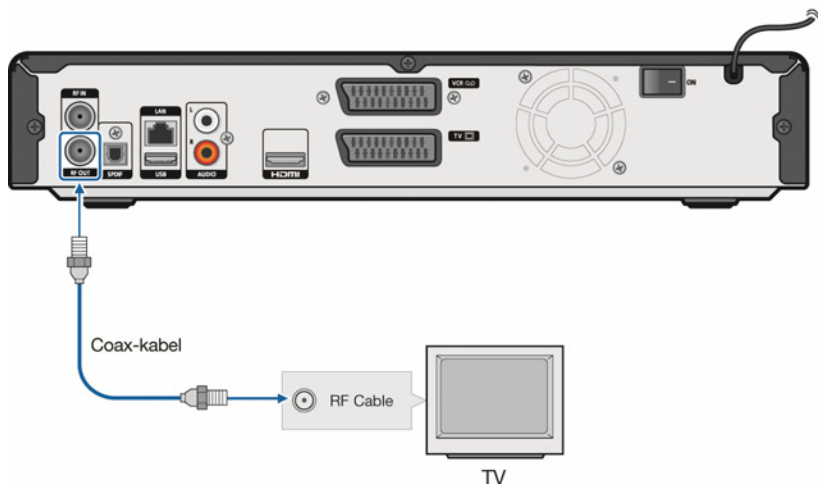
De STB aansluiten op een RF-antenne

Dit hoofdstuk beschrijft de aansluiting van een RF-antenne. Verbind de coaxkabel van de RF-antenne met de RF IN-poort van de STB.



De STB aansluiten op een tv met een RF kabel-poort

Dit hoofdstuk beschrijft hoe u een tv via een coaxkabel aan kunt sluiten, zodat UHF RF-uitvoer wordt ondersteund.



Sluit de **RF OUT**-poort aan de achterkant van de STB door middel van de coaxkabel aan op de **RF Cable**-poort van de tv.

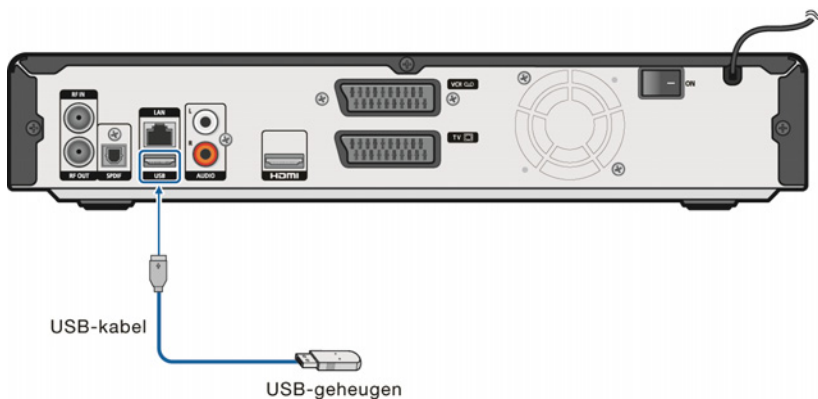


Bij aansluiting van een coaxkabel op de STB:

Vraag de technicus te controleren of de coaxkabel goed geaard is voordat de STB wordt aangesloten. Als dit niet het geval is, kan er brand ontstaan.

USB-geheugen/stick aansluiten

Dit hoofdstuk beschrijft hoe u een USB-geheugen aansluit.



NED

INSTALLATIE

DE STB GEBRUIKEN

Installatiewizard

Voordat u tv kunt kijken, moet u de STB instellen met de installatiewizard; deze wordt automatisch gestart wanneer het apparaat voor het eerst wordt aangezet.

Vorbereiden-smartcard plaatsen

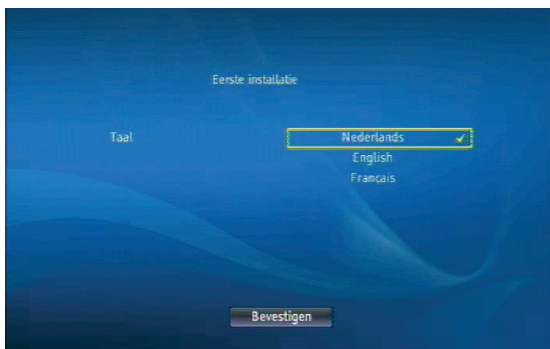
Doe de smartcard in de bijbehorende opening aan de zijkant van de STB.



Stap 1-taal kiezen

In deze stap kiest u de taal voor de elektronische programmagids (EPG) en het menu.

- Druk op de **navigatietoetsen (omhoog/omlaag)** om de taal te kiezen (Nederlands/Engels/Frans).
- Druk op de **OK** toets of selecteer **Bevestigen** om uw keuze vast te leggen en naar het volgende scherm te gaan.



Stap 2-zenders zoeken

De STB zoekt nu naar de beschikbare tv- en radiostations en legt de gevonden kanalen vast.

- Kies voor ieder item de juiste instelling (Frequentie/Netwerk-ID/Modulatie/Symboolsnelheid).
U krijgt deze instellingen van de serviceprovider.
- Na afloop van het zenderzoeken wordt op het scherm aangegeven hoeveel tv- en radiostations er zijn gevonden.
- Druk ter bevestiging op de **OK** toets en ga naar het volgende scherm.



NED

DE STB GEBRUIKEN

Stap 3-nieuwe software

In deze stap kijkt de STB of er een software-update beschikbaar is.

- Als er een software-update is gevonden, selecteert u **Ja** en drukt u op de **OK** toets om de software bij te werken.
Nadat de software is bijgewerkt, wordt de STB automatisch herstart om de nieuwe software toe te passen.
- Als er geen software-update is gevonden, wordt de Installatiewizard beëindigd.



De basisfuncties gebruiken


Service-informatie

Als u naar een andere zender gaat of op de toets **INFO** button (), drukt, wordt een venster met informatie van de zender getoond.

- U ziet details over het programma, de tijd, enz.



Van zender veranderen

Met de toets **CH**  kunt u naar een andere zender gaan.

Volume aanpassen/geluid dempen

U kunt het volume aanpassen met de toets

VOL+/- ().

U kunt het geluid uitschakelen door op de

toets **MUTE** () te drukken.

Als u nogmaals op deze toets drukt, wordt het geluid weer ingeschakeld.



Kanaallijst/favoriete zender

Druk op de **OK** toets van de afstandsbediening om de kanalenlijst op het scherm te tonen.

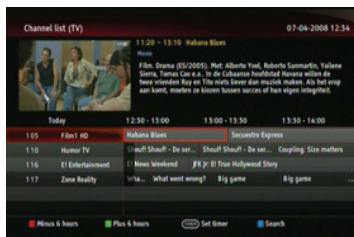
- Met de **gele** toets kunt u uw favoriete zender instellen.



Gids

Druk op de **GUIDE** toets van de afstandsbediening om de elektronische programmagids (EPG) op het scherm te tonen.

- Met de gekleurde toetsen kunt u opnamen instellen.



Infobalk

Als u op de **INFO** toets drukt terwijl u naar een programma kijkt, verschijnt de informatiebalk op het scherm.



- Met behulp van de **Navigatietoetsen** ziet u welke programma's zullen volgen op het huidige kanaal en de andere kanalen.
- U kunt de status van het huidige programma checken (kanaal, titel, uitzendtijd en opname-instellingen).

NED

DE STB GEBRUIKEN

Teletekstfunctionaliteit

De teletekstfunctie (indien beschikbaar) kan worden geactiveerd wanneer u op de knop **Text** (gele knop) op de RCU drukt.

U kunt het scherm splitsen om zowel teletekst als een programma te bekijken door op de toets **Timer** op de afstandsbediening te drukken wanneer het teletekstmenu wordt weergegeven (zoals hieronder weergegeven).



De belangrijkste functies

Timeshift (tv-programma pauzeren)

De STB bewaart automatisch de laatste minuten van de tv- of radio-uitzending die wordt weergegeven (maximaal 120 minuten). Met deze pauzemodus kunt u een tv-programma stilzetten, terugspoelen en voorgaande gedeelten opnieuw bekijken. Druk op de toets **Afspelen/pauzeren** om het programma te pauzeren.



NED

DE STB GEBRUIKEN

Afspelen/pauzeren

- U kunt op de toets **Afspelen/pauzeren** drukken om het huidige programma te pauzeren en er niets van te missen.
- Om het tv-programma verder te bekijken vanaf het moment waarop u het gepauzeerd heeft, drukt u opnieuw op de toets **Afspelen/pauzeren**.

Terugspoelen

- U kunt terugspoelen met beeld door op de toets **Terugspoelen** te drukken.
- U ziet hierbij het **tijdsverschil** met de tv-uitzending groter worden. Iedere keer dat u op de toets **Terugspoelen** drukt, wordt de terugspoelsnelheid hoger ($\times 1/2/4/8/16/32/64/128$). U kunt terugspoelen tot het begin van de timeshiftbuffer (maximaal 120 minuten).

Versnelde weergave

- U kunt vooruitspoelen met beeld door op de toets **Vooruitspoelen** te drukken.
- U ziet hierbij het **tijdsverschil** tussen de opname en de uitzending kleiner worden. Iedere keer dat u op de toets Vooruitspoelen drukt, wordt de weergavesnelheid hoger ($\times 1/2/4/8/16/32/64/128$).
- Als u versneld blijft weergeven, haalt u de tv-uitzending in tot u weer 'live' kijkt.

Stoppen

Om de pauzemodus af te sluiten en naar de rechtstreekse tv-uitzending terug te gaan, drukt u op de **Stop** toets.

Video opnemen

U kunt tv of radio opnemen door op de **Rec** opnametoets te drukken.

U kunt een programma niet alleen vastleggen terwijl u ernaar kijkt, maar ook door het gewenste programma te selecteren in de infobalk, de programmagids of het zoekmenu.



- Wanneer u 2 programma's tegelijk opneemt, kunt u uitsluitend deze programma's bekijken.
- Een op te nemen programma wordt in de infobalk en de kanalenlijst met een rood symbool aangegeven.
- Als het programma op een later tijdstip wordt uitgezonden, onthoudt de STB dit en wordt het programma opgenomen wanneer het wordt uitgezonden.
- U vindt de lijst met opgenomen programma's in het menu Bibliotheek door op de toets **Library** te drukken. De lijst met op te nemen programma's vindt u in het menu Geprogrammeerd.
- Wanneer u de **Timer** toets indrukt terwijl u tv kijkt, verschijnt het timermenu. Hier bepaalt u de opname-instellingen, zoals type, datum, uitzendtijd en beveiliging.



- Als u in het programma dat u opneemt op **Stop** of **Rec** drukt, wordt de opname beëindigd.
- U kunt ingestelde programma's verwijderen in het menu Geprogrammeerd

Hoofdmenu


Als u terwijl u tv kijkt op de toets **MENU** () drukt, verschijnt het hoofdmenu.



Dit ziet er als volgt uit:




Hoofdmenu

Systeem/Geluid/Beeld/Instellingen/
Geprogrammeerd/Mailbox

- Selecteer het gewenste item door op de **omhoog/omlaag** () te drukken.

Druk op de toets **rechts** () om een menuniveau omlaag te gaan of op de toets **links** () om een menuniveau omhoog te gaan.

- Als u het gewenste menu heeft gevonden, drukt u op de toets **OK** () om naar het geselecteerde menuscherm te gaan.



Voordat u het apparaat gebruikt

De in dit hoofdstuk opgenomen informatie kan zonder voorafgaande kennisgeving worden gewijzigd door een programmaprovider om de service te verbeteren of een nieuwe service te bieden. Als de service gewijzigd is, kunt u contact opnemen met het servicecenter.

NED

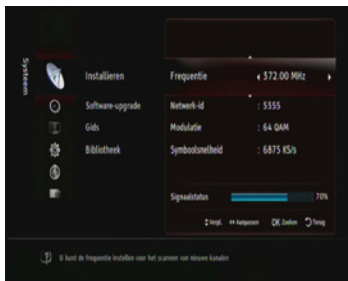
DE STB GEBRUIKEN

System

Installeren

U kunt de kanalen scannen door de netwerkinformatie op te geven.

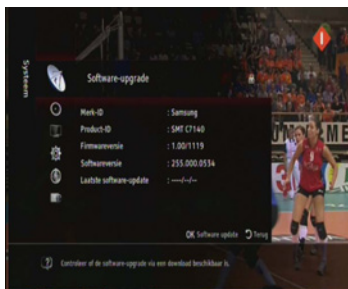
- Frequentie/Netwerk-ID/Modulatie/Symboolsnelheid kunnen worden gewijzigd met behulp van de pijltoets **Links/Rechts** of direct het cijfer in te geven.
- Druk op de toets **OK** om het scannen te starten.
- Wacht totdat het apparaat klaar is met scannen.
- Druk op de **OK** toets om zenders te zoeken, of op de **Return** toets om het zoeken te annuleren.
- Voor gebruik van het scanmenu moet u een pincode ingeven. De standaard pincode is: '0000'.



Software-upgrade

U kunt de softwareversie van de STB controleren en bijwerken naar de laatste versie.

- U kunt de Merk-ID/Product-ID/Firmwareversie/Softwareversie/Laatste software-update bekijken.
- Druk op de toets **OK** om te upgraden naar de nieuwste software.
- Voor gebruik van het software-upgrademenu moet u een pincode ingeven. De standaard pincode is: '0000'.



Gids

- De functies van de **gekleurde** toetsen op de afstandsbediening worden onderaan het scherm weergegeven.
 - Druk op de **blauwe** toets om een gewenst programma te zoeken.
 - Bij het zoeken zijn de onderstaande functies beschikbaar:
 - Verwijderen (meerdere items verwijderen)
 - Verplaatsen
 - Nieuwe map
 - Vergrendelen met PIN
 - Automatische bescherming tegen wissen
 - Sorteren
 - Alles selecteren
 - Niets selecteren
 - Selecteer een kanaalprogramma met de **richtingtoetsen** en druk op de toets **OK** om het kanaal te bekijken.
 - U kunt programma's plannen door een gewenst programma uit een lijst te selecteren en op de **TIMER**-toets op de afstandsbediening te drukken.
 - Er zijn drie typen timer beschikbaar:
 - Bekijken, met
 - andere frequentie
 - Opnemen, met
 - andere frequentie
 - Opname vergrendelen
 - Oorspronkelijke bewakingstijd
 - Uiteindelijke bewakingstijd
 - Herinnering, met:
 - andere frequentie
 - Wanneer de begintijd van het geplande programma is aangebroken, wordt het relevante kanaal automatisch weergegeven.
- Door nogmaals op de **TIMER**-toets te drukken wordt het plannen geannuleerd. U kunt de lijst van de geplande programma's weergeven in **[Hoofdmenu] → [Geprogrammeerd]**.



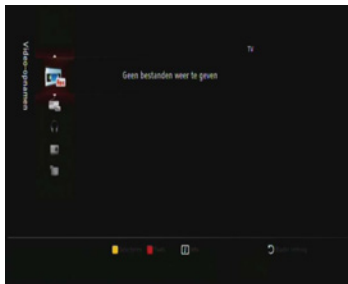
NED

DE STB GEBRUIKEN

Bibliotheek

De bibliotheek toont een overzicht van alle opgeslagen content.

- De categorieën zijn: Video-opnamen/Radio-opnamen/Muziek/Afbeeldingen/Alle categorieën.



In de bibliotheek zijn de onderstaande opties beschikbaar met de knop **Tools**:

- Verwijderen (meerdere items verwijderen)
- Verplaatsen
- Nieuwe map
- Vergrendelen met PIN
- Automatische bescherming wissen
- Sorteren
- Alles selecteren
- Alle selecties opheffen

U kunt opnamen bewerken:

1) Bewerken

- Naar bibliotheek
- Inhoud afspelen
- Druk **tijdens** afspelen op de toets **rode** knoop op de plek waar u de inhoud wilt bewerken.
- Er wordt een pop-upvenster met twee opties weergegeven.
- Kies de optie [links knippen] (cut left) of [rechts knippen] (cut right).
- Bevestig door op de toets **OK** te drukken.
- Het gedeelte van het gekozen bestand wordt verwijderd.
- Let op: er is geen pincode vereist.



Geluid

Geluidsvertraging

U kunt een tijdsvertraging instellen naar de luidsprekeruitvoer van een thuisbioscoopstelsel, zodat het geluid synchroon loopt met het beeld.

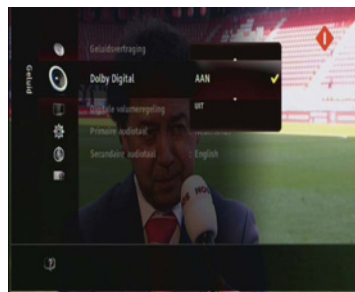
- Gebruik de toets **Links/Rechts** om de tijd aan te passen.
- Voor gebruik van dit menu moet u een pincode ingeven. De standaard pincode is: '0000'.



Dolby Digital

Hiermee kunt u Dolby Digital audio in- en uitschakelen, die beschikbaar is wanneer de programmaprovider Dolby Digital audio ondersteunt.

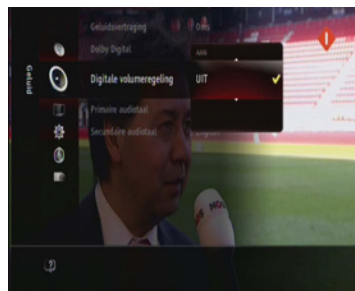
- De standaard instelling is **Aan**.



Digitale volumeregeling

Hiermee kunt u het volume van een versterker of thuisbioscoopstelsel e.d. aanpassen via de afstandsbediening.

- Bij sommige kanalen die Dolby digital geluid bieden, kunt u het volume niet aanpassen.



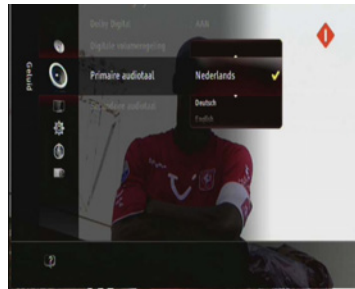
NED

DE STB GEBRUIKEN

Primaire audiotaal

U kunt de primaire audiotaal wijzigen.

- Selecteer de standaardtaal voor de primaire audiotaal met behulp van de toets **omhoog/omlaag**.



Secundaire audiotaal

U kunt de secundaire audiotaal wijzigen, die beschikbaar is wanneer een secundaire audioservice wordt geboden door de programmaprovider.

- Selecteer de standaardtaal voor de secundaire audiotaal met behulp van de toets **omhoog/omlaag**.



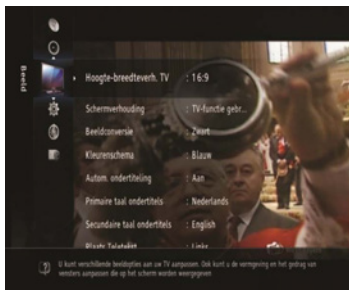
Beeld

Hoogte-breedteverhouding TV

Hiermee kunt u de schermuitvoerrelating wijzigen.

- U kunt kiezen tussen 4:3 en 16:9.
- De beschikbare schermverhoudingen zijn afhankelijk van de instelling van het beeldformaat

Beeldformaat	Schermverhouding
Pillar box	16:9
Zoom	16:9, 4:3
Letter box	4:3



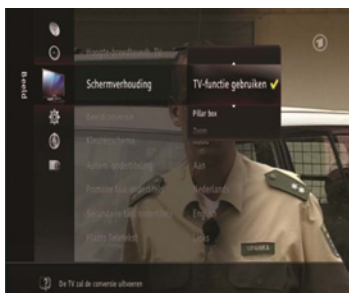
NED

DE STB GEBRUIKEN

Schermverhouding

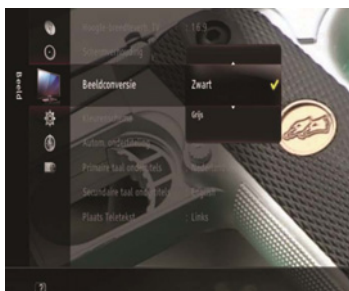
Hier kunt u een beeldformaat selecteren.

- Tv-functie gebruiken, Pillar box en Zoom kunnen gekozen worden bij de 16:9 tv-schermverhouding.
- Tv-functie gebruiken, Letter box en Zoom kunnen gekozen worden bij de 4:3 tv-schermverhouding.
- U kunt het verschil zien wanneer het geselecteerde formaat hetzelfde is als het beeldformaat dat door de tv wordt ondersteund. Als deze niet hetzelfde zijn, is het verschil niet zichtbaar op het scherm.



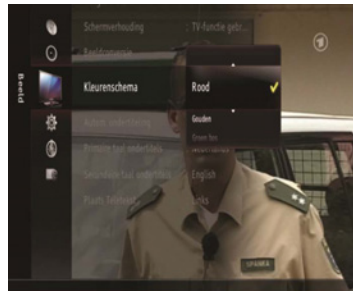
Beeldconversie

Afhankelijk van de instelling van het beeldformaat en de schermverhouding, kunt u lege delen op het scherm zien. U kunt de kleur instellen waarmee deze wordt ingevuld.



Kleurenschema

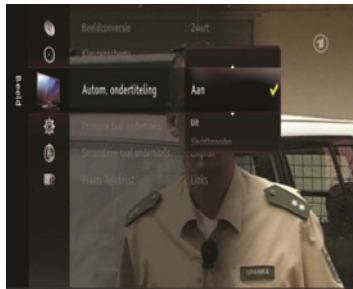
Hier kunt u het kleurenschema van een menu wijzigen.



Autom. ondertiteling

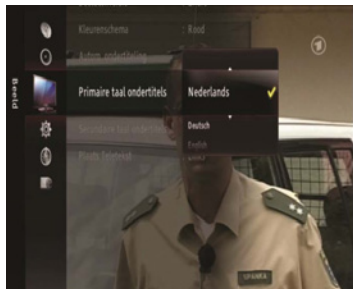
Hier kunt u de ondertiteling in- en uitschakelen.

Om deze in te schakelen, selecteert u Aan.



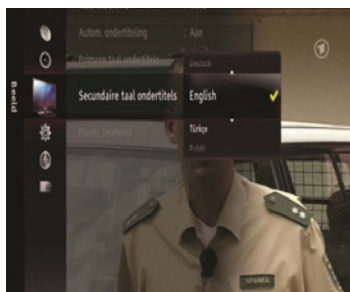
Primaire taal ondertitels

Hier kunt u de primaire taal voor de ondertiteling instellen.



Secundaire taal ondertitels

Hier kunt u de secundaire taal voor de ondertiteling instellen. Deze is beschikbaar wanneer door de programmaprovider een secundaire taalservice wordt geboden.

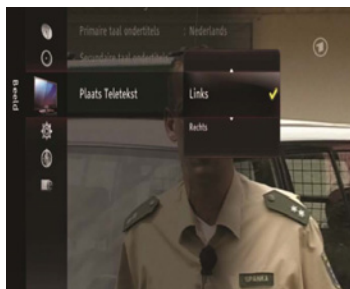


NED

DE STB GEBRUIKEN

Plaats Teletekst

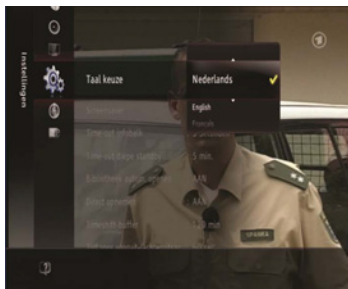
U kunt de positie van teletekst instellen tijdens de splitsfunctie die wordt beschreven in 'Teletekstfunctionaliteit' op pagina 30.



Instellingen

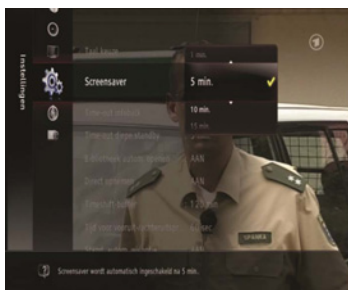
Taalkeuze

Met Taalkeuze kunt u de menutaal van het scherm wijzigen.



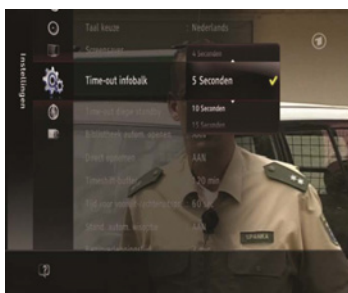
Screensaver

Als er gedurende een bepaalde periode geen input is van de afstandsbediening, verdwijnt het menuvenster. U kunt de wachttijd van de afstandsbediening instellen.



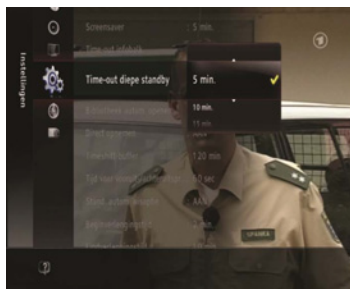
Time-out infobalk

Hier kunt u instellen hoelang de service-informatie die wordt getoond bij het wijzigen van zender of wanneer op de toets INFO wordt gedrukt, op het scherm blijft staan.



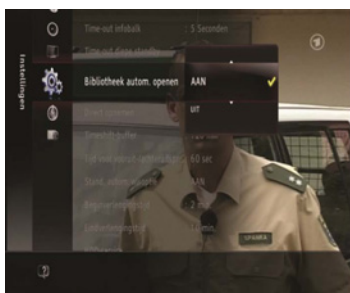
Time-out diepe standby

Hiermee kunt u instellen hoe lang het duurt voordat de STB op de diepe standby-modus wordt ingesteld.



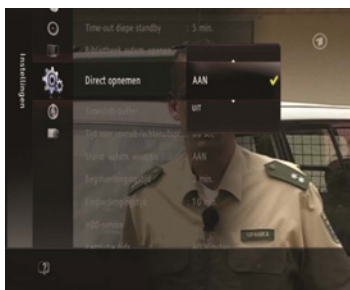
Bibliotheek automatisch openen

Hiermee wordt de bibliotheek automatisch geopend wanneer een USB-geheugen wordt geplaatst.



Direct opnemen

Hiermee kunt u direct opnemen in-/uitschakelen.

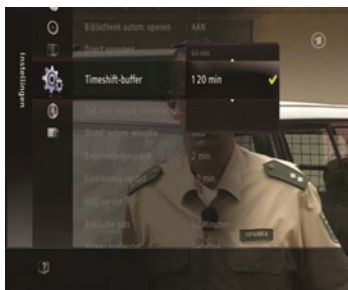


Timeshift-buffer

Wordt gebruikt voor het instellen van de duur van de timeshift-buffer.

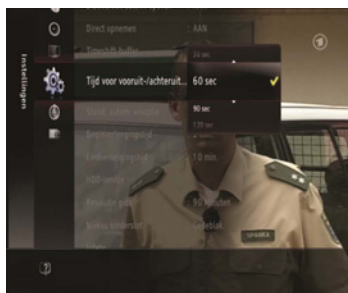


De Timeshift-buffer is een tijdelijke opslaglocatie op de vaste schijf die wordt geactiveerd wanneer u op de zendertoets op de afstandsbediening drukt (van zender wisselen). Hiermee wordt het tv-programma dat u op dat moment bekijkt, automatisch opgeslagen op een tijdelijke opslaglocatie zodat u op elk gewenst moment live-tv kunt pauzeren of het afspelen kunt hervatten.



Tijd voor vooruit/achteruit overslaan

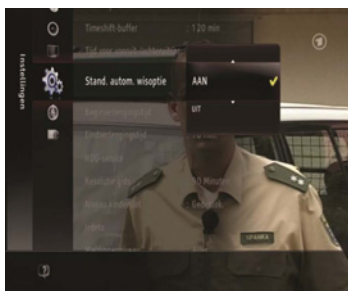
Hiermee kunt u de duur van vooruit/achteruit overslaan tijdens timeshift of afspelen wijzigen.



Standaard automatische wisoptie

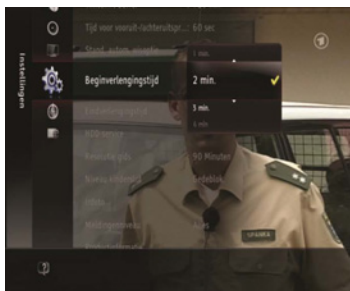
Hiermee kunt u het oudste opgenomen programma automatisch uit de bibliotheek verwijderen.

20% van de HDD-capaciteit blijft altijd beschikbaar.



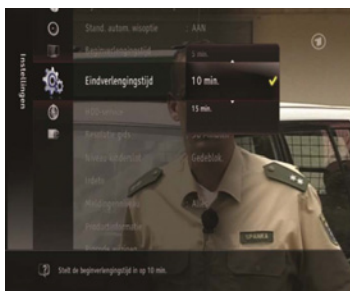
Beginverlengingstijd

Hier kunt u instellen hoeveel minuten voordat een programma volgens de gids begint de opname wordt gestart.



Eindverlengingstijd

Hier kunt u instellen hoeveel minuten nadat een programma volgens de gids is afgelopen de opname wordt gestopt.



HDD-service

Toont informatie over het gebruik van de harde schijf.

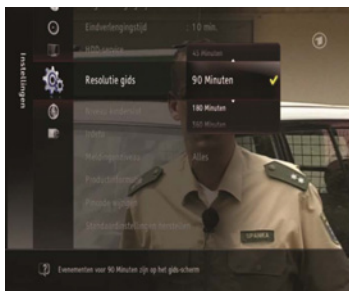


De capaciteit van de HDD kan afhankelijk van het model verschillen.



Resolutie gids

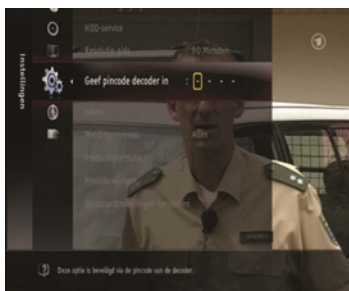
Met dit menu kunt u de standaardinstelling wijzigen van het tijdsinterval voor de weergave van de programmalijst op een zendergidsscherm. Hoe langer het interval, hoe meer programma's op één scherm worden getoond.



Niveau kinderslot

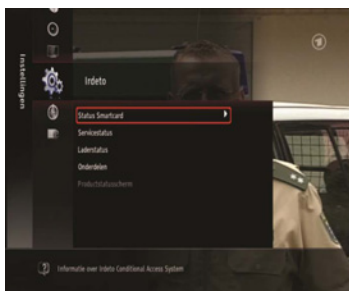
Hier kunt u het niveau van het kinderslot instellen, waarmee u voorkomt dat kinderen naar programma's kijken die niet voor hen geschikt zijn. Om een programma voor een hogere leeftijd te kunnen bekijken, moet een pincode worden ingegeven.

- Voor het instellen van dit menu moet eerst een pincode worden ingegeven. De standaard pincode is '0000'.



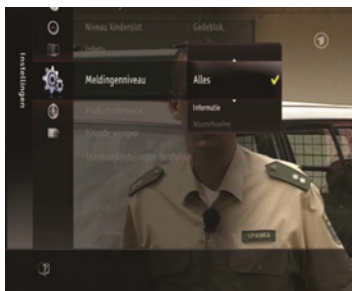
Irdeto

Toont de informatie voor het bekijken van betaalde tv-programma's.



Meldingenniveau

Hier kunt u het meldingenniveau instellen.
Als u een lagere waarde kiest, wordt het aantal pop-upmeldingen tijdens het gebruik van de STB verlaagd.



Productinformatie

Toont informatie over het product.

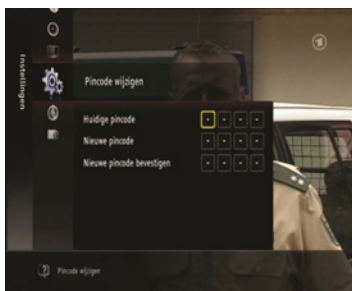
- U kunt informatie over het Merk-ID, het Product-ID, de Firmwareversie en de Softwareversie, het Serienummer en de Laatste software-update controleren.



Pincode wijzigen

Hier kunt u de pincode wijzigen.

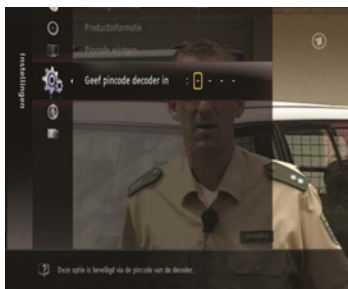
- Geef de huidige pincode in en daarna de nieuwe pincode. Druk vervolgens op de toets **OK**.
- De standaard pincode is: '0000'.



Standaardinstellingen herstellen

Hiermee kunt u de instellingen terugzetten op de standaard fabrieksinstellingen.

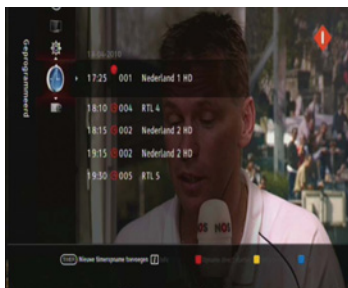
- Selecteer in het bevestigingsvenster **[Standaardinstellingen herstellen]** en druk op de toets **OK** om de standaardinstellingen terug te zetten.



Geprogrammeerd

Hiermee geeft u de lijst weer met geplande opnamen.

- Om een geplande opname te annuleren, selecteert u het programma door op de **gele** toets te drukken. Daarna drukt u op de **blauwe** toets en selecteert u **[geplande opnamen annuleren]**.



Mailbox

U kunt een ontvangen e-mailbericht op het scherm bekijken.



PROBLEMEN OPLOSSEN

Dit hoofdstuk beschrijft hoe u problemen kunt oplossen die zich voor kunnen doen tijdens het gebruik van de STB. Als de STB niet goed functioneert, kijk dan eerst bij onderstaande problemen en oplossingen. Kunt u het probleem niet oplossen, neem dan contact op met het servicecenter.



Scherms

Probleem	Oplossing
Er verschijnt niets op het scherm.	<ol style="list-style-type: none">1. Controleer of de TV en de STB zijn ingeschakeld.2. Controleer of de kabel tussen de TV en de STB goed is aangesloten.3. Controleer of de TV-invoer is ingesteld op een externe invoermodus.4. Druk op de Aan/uit toets om te kijken of de STB op standby staat.
Het menuscherm wordt niet getoond.	<ol style="list-style-type: none">1. Zet de STB aan en druk op de toets Menu op de afstandsbediening.2. Verschijnt het menuscherm niet nadat u op de toets Menu hebt gedrukt, neem dan contact op met het servicecenter.



Afstandsbediening

Probleem	Oplossing
De afstandsbediening werkt niet.	<ol style="list-style-type: none">1. Controleer of de afstandsbediening geschikt is voor de STB.2. Vervang de batterijen door nieuwe en controleer of de afstandsbediening dan normaal werkt.3. Controleer of de batterijen op de juiste wijze zijn geplaatst.4. Controleer of zich een object bevindt tussen de STB en de afstandsbediening.5. Gebruik de afstandsbediening dichtbij de STB en kijk of deze werkt.



Algemeen

Probleem	Oplossing
Er komt geen geluid uit de tv of het audio-apparaat.	<ol style="list-style-type: none">1. Controleer of de kabel tussen de audiopoort van de tv/het audiosysteem en de AUDIO OUT-poort aan de achterkant van de STB goed is aangesloten.2. Als de kabel goed is aangesloten, controleert u of de MUTE-functie misschien is ingeschakeld. Als dit het geval is, drukt u op de toets MUTE van de afstandsbediening om deze uit te schakelen.
Ik ben de pincode van de STB vergeten.	<p>De standaard pincode van de STB is '0000'.</p> <p>Als u de standaard pincode heeft gewijzigd en de nieuwe pincode bent vergeten, moet u contact opnemen met het servicecenter. Na initialisatie van het apparaat kunt u een nieuwe pincode instellen.</p>

TV-fabrikantnummers

Onderstaande tabel geeft een overzicht van de tv-fabrikanten en de hieraan toegewezen nummers die door de afstandsbediening worden ondersteund.

Fabrikant	Instelnummers	Fabrikant	Instelnummers
SAMSUNG	105 106 108 109 115 116 118 124 129 151 153 158 160 170 177 186 187 196 225 226 237 274 310 312 387 397 400 421 440 441 442	AOC	105 122 129 166
ACCENT	108 186	APOLLO	281
ACCUPHASE	108	AR	333
ACEC	451	ARC EN CIEL	354 414 416 419 420 454
ACTION	213 225	ARCAM	122 152 153 400 454
ACURA	124	ARDEN	108 186 287
ADMIRAL	130 144 170 175 209 223 243 264 271 297 310 351 357	ARISTONA	108 186 271 397 408 451
ADYSON	106 153 400	ARTHUR MARTIN ASA	220 264 310 260 261 263 264 270 271 273 278 295 297 298 299 351 367 372 373 378 379 382 384 385 108 186 229 296 376
AEA	108 186	ASBERG	124
AGASHI	153 170 400	ASORA	108 186
AGB	284	ASTRA	108 186
AGEF	297 351	ASUKA	153 154 170 174 397 400
AIKO	108 118 119 124 153 170 186 207 226 236 264 294 400	ATLANTIC	108 117 186 208 397 400 411 453
AIM	108 118 186 231	ATORI	124
AIWA	248 249 293 448	AUCHAN	220 264 310
AKAI	105 108 109 118 124 129 134 153 154 170 186 196 198 199 207 209 224 225 226 236 246 264 277 282 284 285 286 287 288 294 310 397 400 416	AUDIOSONIC	108 124 153 170 186 189 242 274 276 280 287 288 400 414 416
AKIBA	108 154 174 186 289	AUDIOTON	153 170 274 276 280 397 400
AKITO	108 186 290	AUDIOVOX	119 122 162 182
AKURA	108 124 154 170 174 186 231 300 307 405	AUMARK	116
ALARON	152 161 165 400	AUSIND	279 296 376 381
ALBA	107 108 124 134 154 186 210 223 236 241 246 251 264 274 300 308 310 393 397 400	AUTOVOX	117 153 158 175 207 278 296 297 305 348 351 376 378 379 381 385 393 397 400 404 405 408 411 423
ALBIRAL	452	AWA	108 124 153 170 186 231 242 285 288 321 345 347 400
ALCYON	296 376	AXXENT	124
ALKOS	294	AXXON	287
ALLORGAN	117 153 211 397 400 411	AYOMI	401
ALLSTAR	108 186	BAIRD	118 153 196 198 226 353 400 414 416 417
AMBASSADOR	141	BANG & OLUFSEN	297 314 351
AMPLIVISION	153 220 274 400 453	BARCO	184 192 264 310 452
AMSTRAD	108 124 134 141 149 154 170 186 192 231 236 246 255 264 284 308 345	BASIC LINE	108 124 153 154 174 186 242 264 289 300 310 321
ANAM	108 123 124 162 186	BASTIDE	153 400
ANAM NATIONAL	108 114 186	BAUR	108 185 186 187 192 198 207 209 264 305 365 366 369 386 405
ANGLO	124 170	BAYSONIC	162
ANITECH	108 124 170 174 186 229 296 376	BAZIN	153
ANSONIC	108 124 186 212 229 236 242 264 274 280 298 300 310 313 393 451		

Fabrikant	Instelnummers
BEAUMARK	129 160
BEC	209 213 225
BECRESE	142 198 199 209 213
BEKO	108 186 274 276 280 285 287 288 294
BELCOR	129
BELL & HOWELL	126 139 196
BEON	108 186 223
BERTHEN	300
BEST	274
BESTAR	108 186 242 274 321
BESTAR- DAEWOO	242
BINATONE	153 400
BLACK DIAMOND	108 246
BLACK PANTHER	229
BLACK STRIP	294
BLACKSTAR	393
BLACKSTRIPE	142 196 198
BLACKTRON	174
BLACKWAY	174
BLAUPUNKT	150 151 169 289 357 362 363 365 366 369 434 436 453
BLUE SKY	108 124 154 174 186 246 251 287 288 289 300
BLUE STAR	174
BONDSTEC	393
BOOTS	124 153 290 397 400
BOSCH-BAUER	208
BPL	108 174 186 309
BRADFORD	162
BRANDT	354 359 414 416 417 418 430 432 454
BRANT	414 419 420
ELECTRONIC	
BRANT	354 414 416 419
ELECTRONIQUE	
BRINKMANN	108 186 223 276 300
BRIONVEGA	108 186 192 264 271 297 308 348 351 392 425
BRITANNIA	152 153 400
BROCKWOOD	129
BROKSONIC	122 157 183
BROTHER	170
BROUNS	271 351
BRUNS	228 280 297
BSR	203 207 211 264 308 310
BTC	154
BUSH	107 108 124 134 153 154 170 174 186 192 196 198 203 207 209 210 211 236 241 242 246 251 264 287 290 300 301 305 310 321 400 405
BUSH (UK)	264 308
CANDLE	105 115 167
CAPEHART	225
CAPSONIC	108 170 289
CARAD	108 186 300
CARENA	108 186 289
CARNIVALE	105
CARREFOUR	107 108 186 195

Fabrikant	Instelnummers
CARVER	113 148
CASCADE	108 124 186 328
CASIO	108 186 305 310
CATHAY	108 186
CCE	108 153 177 186 400
CCI	218
CENTRUM	246
CENTURION	108 186
CENTURY	223 271 297 351 357 393 401
CGE	191 192 211 223 243 264 274 296 308 310 360 376 381 383 393 435 437
CIE	233
CIMLINE	124 141 210
CINERAL	119 182
CITIZEN	105 109 115 116 119 142 167 173
CITY	124
CLAIRTONE	166
CLARIVOX	108 186 223 224 229 295 410
CLATRONIC	108 124 153 154 170 186 208 229 236 274 287 296 376 393 400 453
CLAYTON	246
CME	107 108 118 124 125 141 144 153 155 156 158 175 178 185
CMS HIGHTEC	153 400
COMTEL	410
CONCERTO	115
CONCORDE	124
CONDOR	108 124 170 174 186 208 212 223 229 274 310 393 397 400 403 453
CONIC	213
CONRAD	108 186
CONTEC	107 108 124 152 162 166 170 186 345 347 400
CONTINENTAL	251 354 414 416 419 420 430 432 454
EDISON	
COSMEL	108 124 186
CRAIG	162
CRIPTOVISION	195
CROSLEY	113 191 211 213 262 264 271 296 297 310 351 357 376 381 383 393 435 437
CROWN	108 109 112 124 162 186 196 198 223 229 251 274 276 285 287 288 296 304 307 309 376 405 152 154 393 400
CS ELECTRONICS	
CTC	208 393
CTC CLATRONIC	229
CURTIS MATHES	105 109 110 111 113 115 116 126 130 136 139 142 146 178 182 196
CXC	162
CYBERTRON	154
DAEWOO	108 109 119 124 129 153 154 182 186 233 242 321 400
DAINICHI	154 400
DANSAI	108 124 153 170 186 294 400
DANSETTE	231
DANTAX	274 276 285 287 288
DATSURA	196 198 309
DAWA	108 186
DAYTON	108 321
DAYTRON	108 109 124 129 186 198 242

Fabrikant	Instelnummers
DE GRAAF	156 196 198 264 310 406
DECCA	108 118 153 186 226 284 290 398
DECCA (UK)	108 290 345 395 397 400
DEITRON	108 186 242
DENKO	170
DENON	136 178
DENVER	108 186 285
DERWENT	409
DESMET	108 124 186 208 297 453
DIAMANT	108 186
DIAMOND	170 301
DIGATRON	108 186
DIGILINE	108 186
DIGITOR	108 186
DIGIVISION	207
DIK	108 186
DIXI	108 123 124 153 186 228 297 393 400
DOMEOS	300
DORIC	264 305 409
DREAN	108
DTS	124
DUAL	108 153 186 207 264 305 308 310 364 386 397 400 404 405 416 423 438 454
DUAL TEC	124 153 308 361 397 400
DUMINT	229
DUMONT	118 127 129 153 191 226 229 264 271 295 297 298 351 373 379 384 385 400
DUMONT-FINLUX	229 264 372 378 382
DUNAI	310
DUX	108 186 451
D-VISION	108 186
DYNATECH	153
DYNATRON	108 186
ECTEC	189
ELBE	108 153 154 186 207 212 219 239 243 264 274 284 308 310 313 364 401
ELBE-SHARP	284
ELCIT	229 264 271 284 297 308 310 351
ELCIT	390 393 395
ELECTRO TECH	124
ELECTROBAND	166
ELECTROHOME	188 196 213
ELEKTA	108 124 170 174 186
ELG	108 186
ELIN	108 124 186 207 264 298 299 305 310 372 400 405 406
ELITE	108 142 154 186 196 208 403
ELMAN	229 308
ELTA	124 170

Fabrikant	Instelnummers
EMERSON	108 109 129 139 141 157 160 161 162 163 164 165 166 170 171 173 174 183 186 207 236 271 274 276 295 296 297 310 351 393 400 453 174
EMPEROR	105
ENVISION	105
ERRES	108 186 357
ESC	108 153 186 451
ESTELE	310
ETRON	108 124 186 264 310
EURO-FEEL	153 170
EUROMANN	108 153 170 186 274 400
EUROPA	108 186
EUROPHON	108 153 186 229 264 284 308 310 393 395 397 398 400
EXCEL	108 186
EXPERT	117 220 264 310 411
EXQUISIT	108 186 393
FAMILY LIFE	108 186
FENNER	124 242 321
FERGUSON	108 170 186 192 207 226 227 294 298 353 359 365 379 397 401 414 416 417 418 431
FIDELITY	108 152 170 186 187 194 207 231 236 264 310 397 400
FILSAI	153 397 400
FINLANDIA	118 155 196 198 207 263 264 273 307 310 373 405
FINLUX	108 118 153 161 186 191 203 212 223 226 229 260 261 262 263 264 270 273 278 279 281 282 283 284 285 286 287 288 295 296 297 298 299 310 351 367 372 373 376 378 379 381 382 384 385 400
FIRST LINE	108 118 124 152 153 186 196 198 207 210 211 212 226 229 242 264 287 300 305 310 321 393 400 401 405 445
FISHER	107 118 139 143 153 196 198 207 226 228 264 271 274 297 298 305 310 347 351 367 375 386 397 400 405 423 443
FLINT	108 118 154 170 186 226 289
FNR	229
FORMENTI	108 186 191 192 193 208 264 276 296 297 310 351 357 376 381 400 403 453
FORMENTI- PHOENIX	262 264 279 397 453
FORTRESS	130 297 351
FRABA	108 186 274
FRIAC	108 124 186 229 274
FRONTECH	109 124 144 153 170 209 264 305 310 393 400 405
FUJITSU	108 117 118 123 124 153 161 186 207 225 226 229 264 310 322 323 400 411
FUJITSU GENERAL	117 124 153 310 400
FUNAI	149 161 162 170 211 231 300
FUTURE	108 186
FUTURETECH	162
GALAXIS	108 186 223 229 252 274
GALERIA	124
GBC	124 192 209 242 262 264 308 310 321
GE	101 103 110 111 114 129 130 135 160 174 182 414 416 417
GEANT CASINO	220 264 310
GEC	108 118 153 186 205 207 213 226 264 284 305 310 398 400 405
GEC (UK)	264 395 397
GELOSO	124 191 209 242 262 264 308 310 321 357 390 393
GENERAL	328 414 416

NED

BILAGE

Fabrikant	Instelnummers
GENERAL TECHNIC	124
GENESIS	124
GENEXXA	108 124 144 154 186 231 264 310
GIANT	153
GIBRALTER	105 127 129
GO VIDEO	116
GOLDFUNK	300
GOLDHAND	400
GOLDSTAR	105 106 108 109 115 120 121 124 129 134 153 160 170 186 203 207 213 225 250 274 285 310 312
GOODMANS	107 108 118 124 153 161 170 182 186 210 226 233 236 242 246 251 264 282 284 294 300 312 321 400 416 417
GORENJE	274
GPM	154
GRADIENTE	108 112 115 148 180 186
GRADIN	208
GRAETZ	108 144 186 191 207 209 236 264 304 310 381
GRANADA	107 108 118 137 153 155 186 192 196 198 199 216 220 225 226 264 276 281 284 296 304 306 307 310 376 398 400 405 409 417 443 451
GRANADA (UK)	264 381 395 397
GRANDIN	108 124 154 174 186 220 239 242 264 287 288 289 300 310 453
GRONIC	153 229 310 400
GRUNDIG	108 124 133 150 158 169 186 237 251 270 274 295 296 302 365 366 369 376 379 381
GRUNPY	161 162
HALIFAX	153 170 400
HALLMARK	160
HAMPTON	153 400
HANIMEX	211
HANSEATIC	107 108 124 153 174 186 187 207 208 209 211 212 262 264 274 276 280 297 305 309 310 313 351 397 400 403 405 453
HANTAREX	108 124 186 229 284 395
HANTOR	108 186
HARLEY DAVIDSON	161
HARMAN KARDON	113
HARVARD	162
HARWOOD	108 124 186 231
HAUPPAUGE	108 186
HAVERMY	130
HCM	108 124 153 154 170 174 186 223 231 400
HEDZON	108 186
HEMA	124 153 400
HEMMERMANN	207 264 305 405
HIFIVOX	354 414 416 419 420 454
HIGASHI	397
HIGHLINE	108 170 186
HINARI	107 108 109 124 133 141 154 161 170 186 196 198 210 211 241 251 264 310

Fabrikant	Instelnummers
HISAWA	154 174 220 289
HIT	297 351
HITACHI	106 107 108 115 118 129 131 132 136 138 140 144 153 155 156 178 179 186 187 191 192 198 199 200 201 204 205 206 207 209 213 214 215 216 217 225 226 258 264 267 281 282 283 284 299 305 306 307 308 310 311 341 342 343 344 354 372 397 400 405 406 414 416 417 422
HITACHI FUJIAN	137
HITSU	124 154 289
HMV	297
HORNYPHONE	108 186 451
HOSHAI	154 289
HUANYU	152 242 321 400
HUSPI ELEKTRONIK	223
HYGASHI	153 400
HYPER	124 153 308 393 397 400
HYPERSONIC	264
HYPERVISION	207 234
HYPSON	108 153 170 174 186 220 287 288 289 400
HYUNDAI	108 186
IBERIA	108 186
ICES	154 400
ICT	108 186
IMPERIAL	108 186 191 192 202 207 209 212 223 243 264 274 296 305 308 310 360 376 381 382 383 393 405 435 437
INDESIT	158
INDIANA	108 186
INFINITY	113
INGEKEN	239 144 207 239 251 264 287 310 381
INGERSOLL	124
INNO HIT	108 109 118 124 153 154 174 186 225 226 229 284 296 312 376 393 395 397 400
INNOVA	108
INNOVATION	108 186
INTEQ	127
INTERACTIVE	108 186 187 207 212 274 297 310
INTERBUY	108 124 170 186 187 393
INTERFUNK	108 144 186 187 205 207 209 264 268 271 274 277 297 305 310 351 381 393 414 416 419 420 451
INTERNAL	108 186 242
INTERVISION	108 124 153 154 170 174 186 224 229 236 251 254 264 274 276 289 310 393 400
IR	437
IRRADIO	108 109 124 154 186 279 296 312 376 381 393
ISUKAI	108 154 174 186 289
ITC	153 192 400
ITS	108 124 154 170 174 186 236 400
ITT	144 161 191 196 198 207 209 210 242 263 264 273 281 282 304 305 310 373 381 405 406 424
ITT NOKIA	161 196 198 207 210 239 242 263 264 268 273 277 281 282 285 286 288 304 305 310 373 381 405
ITV	108 170 186 242 393

Fabrikant	Instelnummers
JBL	113
JCB	237
JEAN	107
JEC	142 294
JET POINT	116
JMB	108 133 186 242
JOCEL	303
JUBILEE	108
JVC	107 112 147 154 164 223 227 236 285 288 353 416
KAISUI	108 124 152 153 154 174 186 289 397 400
KAMOSONIC	397
KAMP	152 400
KAPSCH	117 144 205 207 209 264 298 310 411
KARCHER	108 124 170 174 186 229 239 264 274 310 372 397
KATHREIN	108 186 187
KAWASHO	152 176 400
KB ARISTOCRAT	264 310
KEC	162
KENDO	108 186 187 192 209 210 212 224 229 239 264 274 280 308 310 393
KENNEDY	117 192 243 262 264 310 408 411
KENWOOD	105 129 299
KINGSLEY	152 400
KITON	108 186
KLARMAX	452
KLH	225
KLOSS	102
KMC	134
KNEISSEL	108 186 212 239 242 243 274 308 313 364 401
KOLSTER	108 186 229 305 405
KONIG	107 108 124 125 144 151 158
KONKA	108 154 186 223 236 287
KONTAKT	251
KORPEL	108 186
KORTING	208 211 271 274 297 351 453
KOSMOS	108 186
KOTRON	170 231
KOYODA	124
KRAKING	401
KRIESLER	271 397 408 451
KTV	105 109 153 162 165 166 173 397 400
KUBA	305 310
KUBA ELECTRONIC	207 305 310
KURO	309
KYOSHU	170 223 231
KYOTO	153 264 310
LASAT	274 276
LEADER	124
LECSON	108 186
LEMAIR	212

Fabrikant	Instelnummers
LENCO	108 124 170 186 233 242 256 264 298 310 321
LENOIR	124 397
LESA	393
LEVIS AUSTRIA	108 186
LEYCO	108 118 170 186 211 225 226
LG	108 115 124 129 153 186 207 224 244 264 274 285 287 308 310 312 386 391 393 397 400 416
LIESENK & TTER	108 186 434 451
LIFE	374 413 429 450
LIFETEC	108 124 154 170 186 187 242 246 300 321 374 413 429 450
LLOYD'S	124
LLOYTRON	106
LOEWE	108 113 186 187 246 247 271 272 274 275 290 297 308 313 351 398
LOEWE OPTA	271 272 351 395 398 426
LOGIK	108 120 126 186 236 301 345
LOGIX	124 300
LUMA	108 117 124 186 209 212 242 264 308 310 321 411
LUMATRON	108 117 153 170 186 207 264 308 310 400 411
LUX MAY	108 124 134 186
LUXMAN	115
LUXMAY	124
LUXOR	153 158 161 192 196 198 204 205 207 209 225 263 264 267 273 277 281 282 283 286 305 306 310 311 312 373 381 397 399 405
LXI	110 113 127 129 139 142 160 196
LYCO	170
M ELECTRONIC	108 124 144 153
MAAZ	452
MADISON	108
MAGAVOX	107
MAGNADYNE	191 207 229 262 264 271 284 297 308 310 351 390 393 395 398
MAGNAFON	229 279 284 296 357 376 381 395 397 398 400
MAGNASONIC	196
MAGNAVOX	100 102 104 105 107 108 113 161 167 168 186 213
MAGNUM	108 186 287 288 374 413 429 450
MAIDSON	108 186
MAJESTIC	126
MANDOR	170
MANESTH	108 153 170 186 208 210 211 294 310 400 403 453
MANHATTAN	108 124 186 246 300 310
MARANTZ	105 108 113 186 187 231
MARELLI	297 351
MARK	108 124 153 186 242 287 288 321 400
MASUDA	108 124 153 154 170 186 236
MATSUI	107 108 118 124 125 133 141 153 186 196 198 202 207 210 211 226 236 241 251 264 284 289 290 294 305 310 345 365 397 400 405 417 443
MATSUSHITA	111 179
MAXIMAL	264
MAXWELL	452
MC MICHAEL	213
MEDIATOR	108 186 451
MEDION	108 124 186 187 300 301
MEGAS	239

Fabrikant	Instelnummers
MEGATRON	122 129 136 160 178 199
MEI	166
MELETRONIC	108 124 186 187 207 212 242 263 273 282 283 298 299 305 310 321 367 372 373 393 400 405 414 416
MELVOX	220
MEMOREX	115 116 124 126 129 134 137 139 160 170 179 196
MEMPHIS	118 124 225 226 410
MERCURY	108 124 186
METZ	108 186 246 271 297 300 346 350 351 352 357 365 368 369 395
MGA	105 108 129 133 137 160 186 298
MICROMAXX	108 124 186 246 300
MICROSTAR	374 413 429 450
MIDLAND	106 109 110 111 127 135
MINATO	108 186
MINERVA	158 251 284 295 296 365 366 369 376 379 381
MINOKA	108 186 231 307 405
MINUTZ	101
MITSUBISHI	107 108 129 130 133 137 158 160 186 187 196 271 297 345 351 365 369 409 424
MITSURI GENERAL MIVAR	310 152 153 270 274 284 296 312 313 376 377 380 381 386 389 395 397 398 400 412
MONACO	124
MORGAN'S	108 186
MOTION	296 376
MOTOROLA	114 130
MTC	105 115 116 129 152 166 187 207 274 305 310 400 405
MTEC	290
MULTIMEDIA	232
MULTISTANDARD	229
MULTITEC	108 124 186 246 276 300
MULTITECH	108 124 152 153 162 170 186 209 229 274 276 296 305 376 393 395 397 398 400 405
MURPHY	118 226 264 298 310 400 409
MUSIKLAND	108 154 186
MYRYAD	108 186
NAD	129 142 146 160 198 207 264 310
NAIKO	108 186 285
NAKIMURA	108 186 242 321
NAONIS	209 264 310 361 408
NAT	114 422
NATIONAL	114 155 158 264
NEC	105 107 108 115 124 129 148 153 186 242 289 321 345 400 453
NECKERMANN	108 153 169 185 186 187 192 209 212 223 264 271 274 297 305 310 351 357 360 365 366 393 397 400 405
NEI	108 186 236 310 410
NESCO	161 393
NETSAT	108 186
NEUFUNK	108 124 174 186 239 287

Fabrikant	Instelnummers
NEW TECH	107 108 124 153 154 170 186 226 400
NEW WORLD	154
NICAMAGIC	400
NIKKAI	106 107 108 109 118 124 142 152 153 154 170 186 225 226 264 294 400 410
NIKKO	105 110 119 127 129 139 142 160
NISATO	189
NOBLEX	108 170 181
NOBLIKO	229 279 295 296 376 379 381 397 400
NOGMATIC	354 414 416 419 420 454
NOKIA	161 170 196 198 204 205 206 207 209 210 242 253 263 264 273 281 282 283 285 286 288 304 305 307 310 321 373 381 405 406 424
NORDIC	153
NORDMENDE	108 186 191 264 287 310 348 354 357 365 414 416 417 419 420 454
NORFOLK	310
NORMEREL	108 186
NOSHI	128
NOVATRONIC	108 186 242 299 321 372
NTC	119
NURNBERG	207 310
OCEANIC	144 191 196 198 200 207 209 211 220 264 277 281 282 310 358 415
OCEANIC (F)	264
ODEON	170
OKANO	108 118 124 170 186 226 274
OMEGA	170
ONCEAS	397
ONWA	134 154 162 229 236
OPERA	108 186
OPTIMUS	139 146 179
OPTONICA	130 145
ORBIT	108 186
ORION	108 124 133 141 157 161 170 183 186 207 208 210 211 229 231 241 264 284 287 345 403 427 445 446 447 453
ORLINE	108 154 186
ORMENTI- PHOENIX	264
ORMOND	108 124 246 300
ORSOWE	284
OSAKI	106 108 109 118 153 154 170 186 225 226 231 241 242 290 321 400
OSIO	108 186 312
OSO	154
OSUME	106 107 108 118 154 186 225 226
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ZENITH	119 126 127
ZENOR	304
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Productspecificaties

Onderwerp	Beschrijving
Modelnaam	SMT-C7140
Ontvanger	DVB-C
Type inputconnector	IEC vrouwelijk die voldoet aan IEC 60169-2
Inputimpedantie	75 Ω
Broadcasting Rx-frequentie	47~870 Mhz
Broadcasting Rx-niveau	-15~+15 dBm (gemiddeld)
Type broadcasting Rx modulatie	Quadrature Amplitude Modulation
Bandbreedte kanalen	7 en 8 Mhz
Type outputconnector	IEC mannelijk die voldoet aan IEC 60169-2
Audio-uitvoerpoort	Stereo (links/rechts): 1 poort
	Digitaal audio (SPDIF): 1 poort
Video/Audio concurrent uitvoerpoort	- HDMI-uitvoer: 1 poort - SCART: 2 poorten (TV/VCR)
USB	USB 2.0 2 poorten (voor/achter)
Gemiddeld voltage, frequentie	AC 230 V \pm 15%, 50 Hz
Gemiddeld stroomverbruik	Max. 30 W
Gebruikstemperatuur	0~40°C
Luchtvochtigheid tijdens gebruik	20~80% (40°C)
Afmetingen (mm)	350 (L) \times 260 (B) \times 35 (H)

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Toestemming voor gebruik Dolby-logo

Gefabriceerd onder licentie van Dolby Laboratories.

'Dolby' en het symbool double-D zijn handelsmerken van Dolby Laboratories.

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Kennisgeving voor HDMI-producten



HDMI, het HDMI-logo en High-Definition Multimedia Interface zijn handelsmerken of gedeponeerde handelsmerken van HDMI Licensing LLC in de Verenigde Staten en andere landen.

Geregistreerd als EMI-apparaat van Klasse B (telecommunicatieapparaten voor huishoudelijk gebruik)

Dit product is geregistreerd als een EMI-apparaat voor huishoudelijk gebruik en kan overal worden gebruikt, inclusief woongebieden.

WEEE SYMBOL INFORMATION



Correcte verwijdering van dit product (elektrische & elektronische afvalapparatuur)

Dit merkteken op het product, de accessoires of het informatiemateriaal duidt erop dat het product en zijn elektronische accessoires (bv. lader, headset, USB-kabel) niet met ander huishoudelijk afval verwijderd mogen worden aan het einde van hun gebruiksduur. Om mogelijke schade aan het milieu of de menselijke gezondheid door ongecontroleerde afvalverwijdering te voorkomen, moet u deze artikelen van andere soorten afval scheiden en op een verantwoorde manier recycleren, zodat het duurzame hergebruik van materiaalbronnen wordt bevorderd.

Huishoudelijke gebruikers moeten contact opnemen met de winkel waar ze dit product hebben gekocht of met de gemeente waar ze wonen om te vernemen waar en hoe ze deze artikelen milieuvriendelijk kunnen laten recycleren.

Zakelijke gebruikers moeten contact opnemen met hun leverancier en de algemene voorwaarden van de koopovereenkomst nalezen. Dit product en zijn elektronische accessoires mogen niet met ander bedrijfsafval voor verwijdering worden gemengd.

BATTERY SYMBOL INFORMATION



Correcte behandeling van een gebruikte accu uit dit product

(Van toepassing op de Europese Unie en andere Europese landen met afzonderlijke inzamelingsystemen voor accu's en batterijen.)

Dit merkteken op de accu, handleiding of verpakking geeft aan dat de accu in dit product aan het einde van de levensduur niet samen met ander huishoudelijk afval mag worden weggegooid. De chemische symbolen Hg, Cd of Pb geven aan dat het kwik-, cadmium- of loodgehalte in de accu hoger is dan de referentieniveaus in de Richtlijn 2006/66/EC. Indien de gebruikte accu niet op de juiste wijze wordt behandeld, kunnen deze stoffen schadelijk zijn voor de gezondheid van mensen of het milieu.

Ter bescherming van de natuurlijke hulpbronnen en ter bevordering van het hergebruik van materialen, verzoeken wij u afgedankte accu's en batterijen te scheiden van andere soorten afval en voor recycling aan te bieden bij het gratis inzamelingsstelsel voor accu's en batterijen in uw omgeving.

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SAMSUNG

ELECTRONICS

SMT-C7140

User Guide

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SAFETY CONCERNS

The purpose of the Safety Concerns section is to ensure the safety of users and prevent property damage. Please read this document carefully for proper use.

Conventions



Warning

Provides information or instructions that you should follow in order to avoid personal injury or fatality.



Caution

Provides information or instructions that you should follow in order to avoid a service failure or damage to your STB.



Note

Indicates additional information for reference.



Checks

Provides the operator with checkpoints for stable system operation.

Symbols



Caution

Indication of a general caution



Restriction

Indication for prohibiting an action for a product



Instruction

Indication for commanding a specifically required action



WARNING

Power



Insert the power plug firmly.



Do not touch the main body, power cable, or power plug with wet hands.



Do not connect multiple devices to a single outlet simultaneously.



If video/sound cable generates heat after connection, pull out the power plug and contact customer service immediately.

Installation/Maintenance



Install the product in an area with good ventilation.



Do not install in humid or dusty areas, and avoid installing near heating devices.



Keep flammable substances or sprays away from the set-top box.



Do not place heavy objects on this product.



Do not cover the top.



Do not put anything heavy on top of the since it can affect the front panel functionality.



Pull out the power plug during thunderstorms or when not used for a prolonged period of time.



Pull out the power plug at once and contact customer service if unusual noise, smell, or smoke comes out.

General



Check if the coaxial cable is correctly grounded before connecting to the set-top box.



Class 1 LED Product.



Ask the installation engineer to check if the set-top box to be connected is correctly grounded.



This product complies with 21 CFR Chapter 1, subchapter J.



CAUTION

Power



Connect your TV after powering off the TV and the set-top box by pulling out the power plugs.



Do not insert the power plug before connecting the power cable to the product.



The socket-outlet shall be installed near the equipment and shall be easily accessible.



Before connecting the power source, permanent protective earth connection to the cable distribution should be made.

Installation/Maintenance



Install the product correctly complying with the instructions in the user guide.



Do not spray water directly on the unit and do not use chemical solvents such as wax, mosquito spray, alcohol or detergent.



Do not place the product on unstable support.



Do not disassemble, repair, or remodel.



No connection to antenna.



Do not remove the CableCARD™ from the set-top box.



Do not place any metal items such as pins, paper clips or coins on the top of the product.



Risk of electric shock, Do NOT OPEN.



Wipe the product with a soft and dry cloth when cleaning.



Cautions regarding data loss (HDD management)

1. When handling, take care not to damage the data stored on the hard disk.
 - Take care not to disconnect the set-top box from its main power source while the power is on, or to subject it to impact as this may damage the data stored on the hard disc.
2. Situations where the hard disc and data stored on the hard disc may be damaged
 - The hard disc and data may be damaged if subjected to shock while moving the set-top box or during installation.
 - The hard disc and data may be damaged if there is a power outage while the hard disc is running.
 - Data may be irrecoverable for a variety of several reasons.

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BEFORE USE

HD PVR Cable STB

SMT-C7140 is HD PVR (Personal Video Recorder) Cable STB (Set-top box).

Key Functions of SMT-C7140

Video Display of HD (High Definition)

Supports high-resolution video output of up to 1080p, enabling you to enjoy clear and sharp video.

Dolby Digital Sound

Produces realistic digital sound by connecting the product to a receiver amplifier through the SPDIF output port, which supports Dolby Digital.

EPG Support

Using the EPG Channel Guide, you can check the program information and broadcasting schedule of a desired channel, and schedule the programs to watch.



PVR Features

One of following operation is possible.

- You can record maximum two programs.
When you are two recordings simultaneously, then you can watch only one of current recordings.
- You can watch the VOD while recording. It is possible to pause, play, rewind and forward.

[Timeshifting]

Timeshifting functionality is to record live program, and allow easy navigation on the program. Since the channel you are watching live is recorded, you can watch missed portion of the live programs.


Timeshifting can be started when you press the **Pause** button () and stopped when you press **Stop** button ().

Timeshifting functionality uses timeshift buffer on hard disk for the recording.

[Instant recording]

Automatic ability to record current live programs. A particular temporary recording starts when you change the watched channel from the current one to another one and stops when changing the watched channel to a different one. Note that when one temporary recording stops, another one starts at the same time.

[Recording]

You can record TV or radio programs only on internal storage by pressing **REC** button () on RCU or front panel.

[Active Standby Mode/Standby Mode]

When you press the **POWER** button () while the STB is in service (in Active Mode), STB will switch from Active Mode to Active Standby Mode.

In the Active Standby Mode, switching to Active Mode is considerably faster than being in Standby Mode (since the STB doesn't completely turn off thus reducing the boot up process). After 5 minutes, the STB will switch automatically to Standby Mode **(by default, this can be changed via the Settings (menu) → Deep Standby Timeout)**.

In Standby Mode, the STB stops running, so switching to Active Mode requires a longer boot up process, so slower than switching to Active Mode from Active Standby Mode.

Every 58 minutes the STB shall switch from Standby Mode to Upgrade Mode for 2 minutes. In this Upgrade Mode, STB shall receive some service information such as EMMs, TDT, TOT.

Every 58 minutes the STB will perform a scanning update.

Package Contents

Please make sure the following items are contained in your product package box.



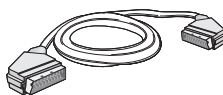
SMT-C7140



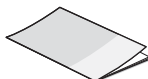
RF Cable



HDMI Cable



SCART Cable



User Guide



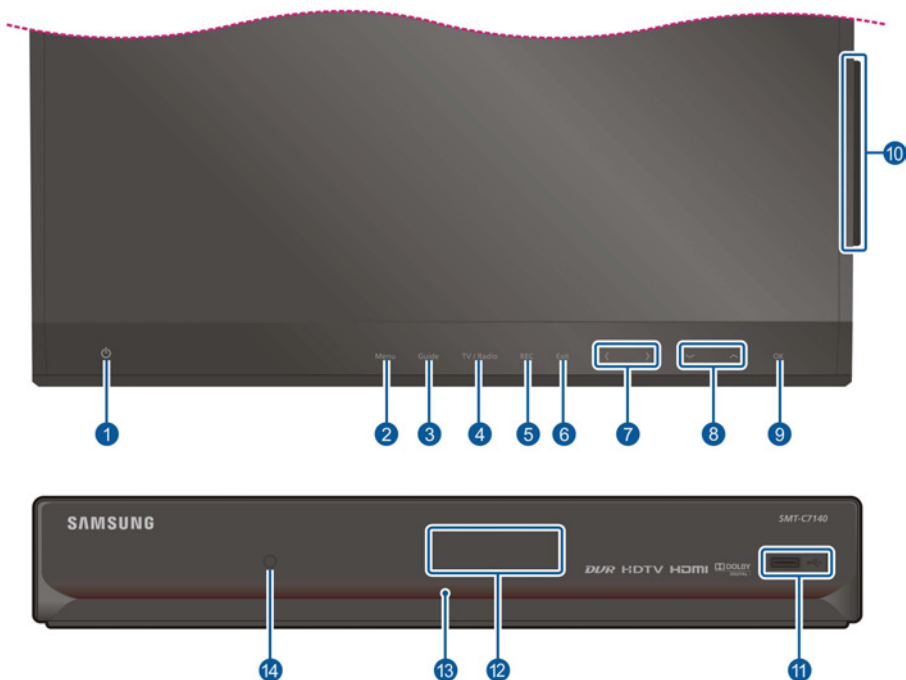
Remote Control
(with AAA Battery)

Names and Functions

This section describes the name and function of the parts.

Touch Pad and Front Panel

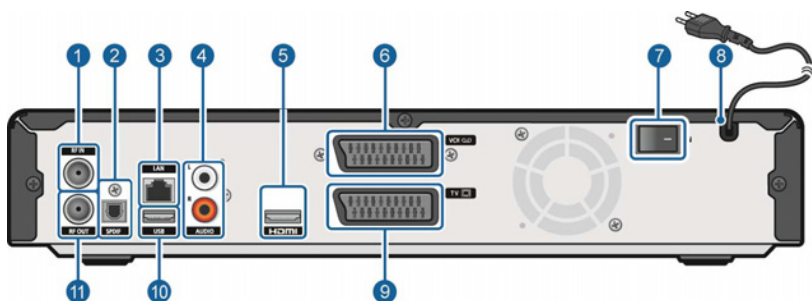
This section describes the touch pad and front panel.



Name	Description
① Power	Change the state of a STB to a standby or active mode.
② Menu	Display the main menu.
③ Guide	Display the channel guide.
④ TV/Radio	Switch between TV and Radio services.
⑤ REC	Record the program on hard disk.
⑥ Exit	Exit the menu and channel guide.
⑦ < / >	Enter to timeshift mode and move the menu in horizontal direction.
⑧ ∨/∧	Move the menu in vertical direction.
⑨ OK	Select the menu and function.
⑩ Smart Card Slot	Insert smart card.
⑪ USB	Connect to an USB memory.
⑫ Display screen	Display the program information, etc.
⑬ Red LED Light	A red LED light is present/active when the STB is in the active mode and in the beginning of the boot up process.
⑭ IR receiver	Receive signals from the remote control.

Rear Panel

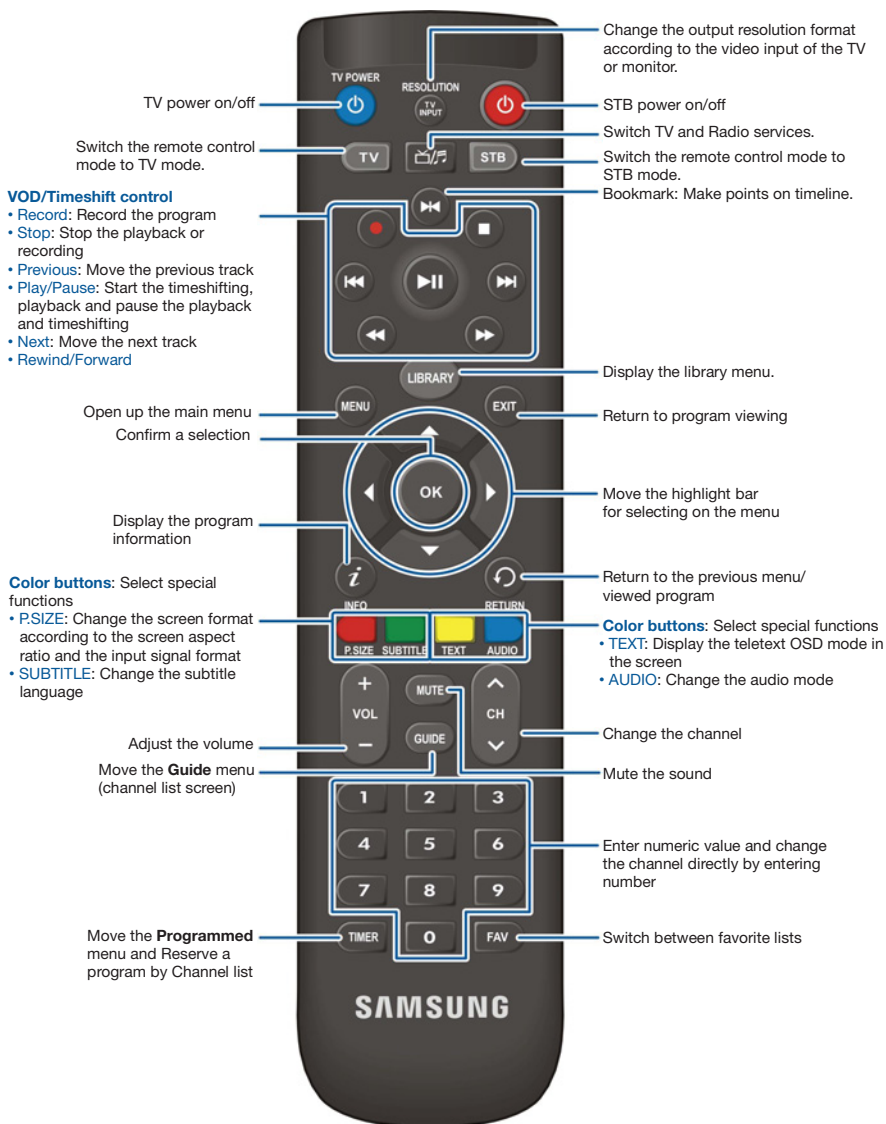
This section describes the names and functions of the ports on the rear panel.



Name	Description
❶ RF IN	A port which connects a RF antenna to a STB with a coaxial cable.
❷ SPDIF	A digital audio output port, which is connected to an audio system with an SPDIF port with an optical cable.
❸ LAN	A LAN port which connect a LAN cable. (Future use)
❹ AUDIO OUT (L, R)	An Audio output port which is connected to a general analog TV, VCR, Radio, etc. with an audio cable (L/R).
❺ HDMI OUT	An HDMI output port which is connected to a TV with an HDMI cable.
❻ VCR SCART	A VCR SCART output port which is connected to a VCR with a SCART cable.
❼ Power on/off switch	A switch to turn the STB power on/off.
❽ Power cable	A power connection cable.
❾ TV SCART	A TV SCART output port which is connected to a TV with a SCART cable.
❿ USB	A port which is connected to an USB memory.
⓫ RF OUT	An RF port which is connected to a TV with an RF cable, allowing you to watch TV.

Remote Control

This section describes the function of each button on a remote control.





Loading a Battery for the Remote Control

An alkaline battery (not a standard battery) should be used for the remote control to ensure the life span of the battery. If you use a standard battery, it may cause problems in operating the remote control.

- Two identical and new batteries should be used for the remote control.
- When a remote control is not used for a long time, remove the batteries.

EN

BEFORE USE

TV Operation Setting with a Remote Control

You can operate a TV with a remote control. There are two ways to program the remote control.

Using Automatic Code Search


1

Turn on the TV.


2

Press and hold the **TV** button () until the LED on the remote control turns on.

3

Press and release the **Up direction** button () button until the TV turns off.

4

If the TV turns off; press and release **OK** button (), then the LED blinks three times.

- If you get no response, repeat these steps.

Entering TV Manufacturer Number

1

Check the 'TV manufacturer number' in the 'Annex' to see the relevant 3-digit TV manufacturer number, and turn on the TV.

2

Press and hold the **TV** button () until the LED on the remote control turns on.

3

Enter 3-digit code, then the LED blinks three times.

- If you get no response, repeat these steps using the other code listed for your TV.



- TV models of other manufacturer that can be controlled with the remote control are limited, and some functions may not work.
- If you replace the remote control batteries or enter a new manufacturer number, the previously configured TV manufacturer number is deleted.
- When a connected device is an integrated TV model (VCR, DVDP), take care when using the remote control because it may operate both of them simultaneously.
- If the configuration number does not work, try another number.

Setting the Video Resolution

You can change the settings of a STB to match them to the resolution of the TV or monitor connected to a STB. And you can also simply change the setting of display format.

Setting the Resolution

SMT-C7140 supports the output of HDMI and SCART.

It supports 6 resolution types-576p/720p/1080i/1080p 24fps/1080p 25fps/1080p50fps for HDMI output. For the SCART output, only 576i is supported.

You can make the setting as follows:

Press the **RESOLUTION** button () on remote control.

By pressing the button, it changes the resolution, which is displayed on the top right of the screen.

To apply the changed resolution, confirmation messages are displayed:


- Selecting the **[Yes]** will apply the setting.
- Selecting the **[No]** or waiting about 10 seconds without selecting any button will revert to the existing resolution setting.

Display Format

SMT-C7140 supports 3 types for screen type.

- 16:9 TV screen ratio: TV's feature, Pillar box, and Zoom
- 4:3 TV screen ratio: TV's feature, Letter box, and Zoom

You can make the setting as follows:

Press the **P.SIZE** button () on remote control. By pressing the button, it changes the video display format, which is displayed on the top right of the screen.

INSTALLATION

This section describes how to install the STB (SMT-C7140).

Installation Environment

The table below shows the installation environment for the STB.

Item	Description
Operating Temperature	0-40°C
Operating Humidity	20-80% (40°C)
Rated Voltage, Frequency	AC 230 V +/- 15%, 50 Hz
Rated Power Consumption	Max. 30 W
Broadcasting Rx Frequency	47-870 MHz



When Using and Installing the Product:

The product must be used under the specified environment. Otherwise, it may damage or shorten the life of the product.

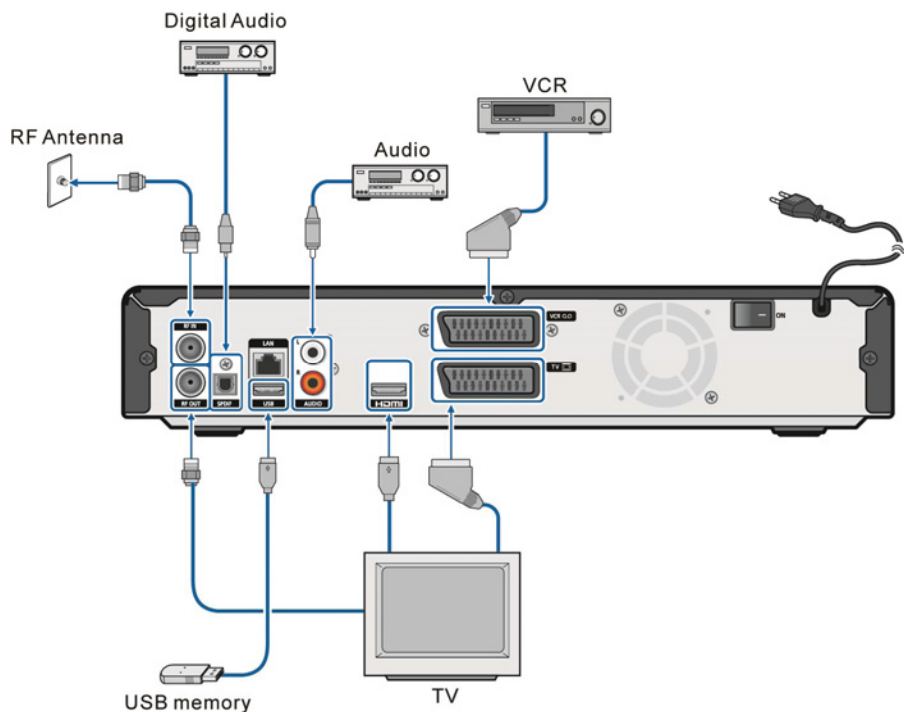


When Connecting a STB to Peripherals

- Ask the service technician to check if the TV or VCR power supply where a STB will be connected is properly grounded.
If not, there is a risk of it causing a fire.
- If excessive heat is produced from cables after connecting the video/audio cables, contact your service center. Such a situation may cause fire.

Peripheral Device Connection

This section describes how to connect the cable and each peripheral device to the STB.



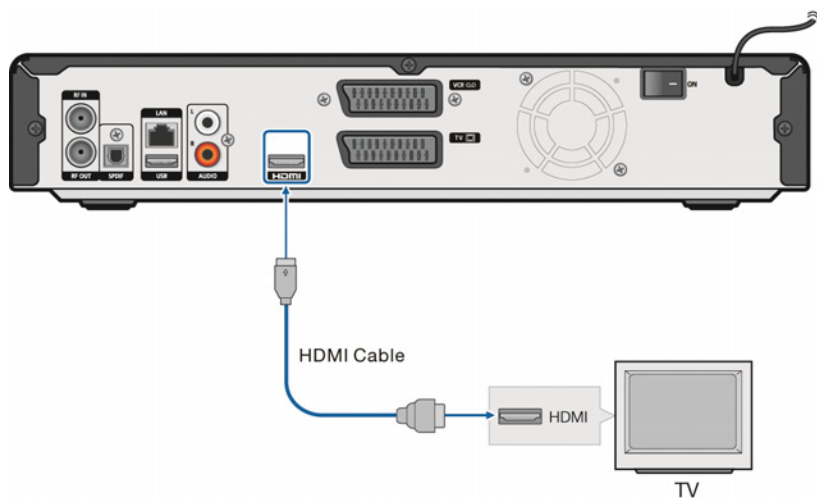
(The product image may differ from the actual product.)

EN

INSTALLATION

Connection to a TV with an HDMI Port

This section describes how to connect the STB to a TV with an HDMI port.



Connect the **HDMI** port on the rear of the STB to the **HDMI** port of the TV by using the HDMI cable.

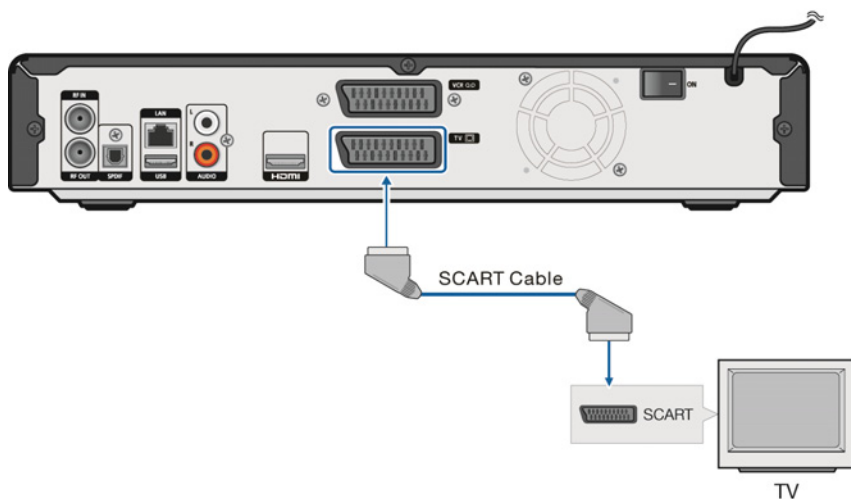


High Definition Multimedia Interface (HDMI)

The HDMI port is a video-audio integrated port to provide high-definition images by connecting a STB to an HD TV. Connect it to the HDMI port on an HD TV.

Connection to a TV with a SCART Port

This section describes how to connect the STB to a TV with a SCART port.



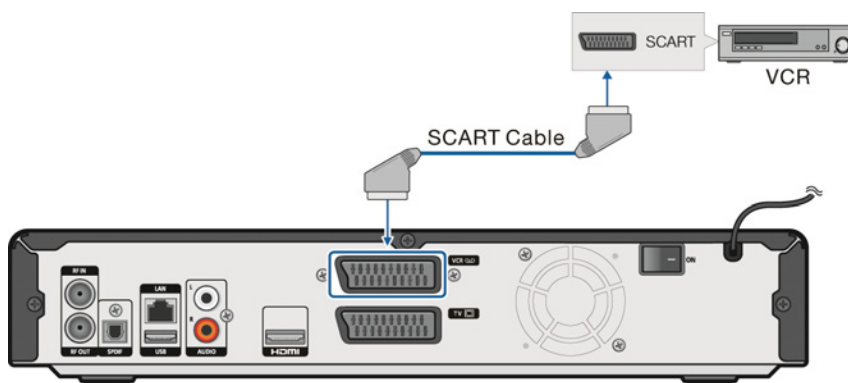
EN

INSTALLATION

Connect the **TV SCART** port on the rear of the STB to the **SCART** port of the TV by using a SCART cable.

Connection to a VCR with a SCART Port

This section describes how to connect VCR to a STB with a SCART cable.



Connect the **VCR SCART** port of the STB to the **SCART** port of the VCR by using a SCART cable.



When Connecting to VCR:

Upon connecting to a VCR, power off both VCR and STB, and pull out their power plugs, and then connect. You can easily connect it by referring to the 'VCR User Manual'.

- VCR may not record programs including anti-record signals properly.

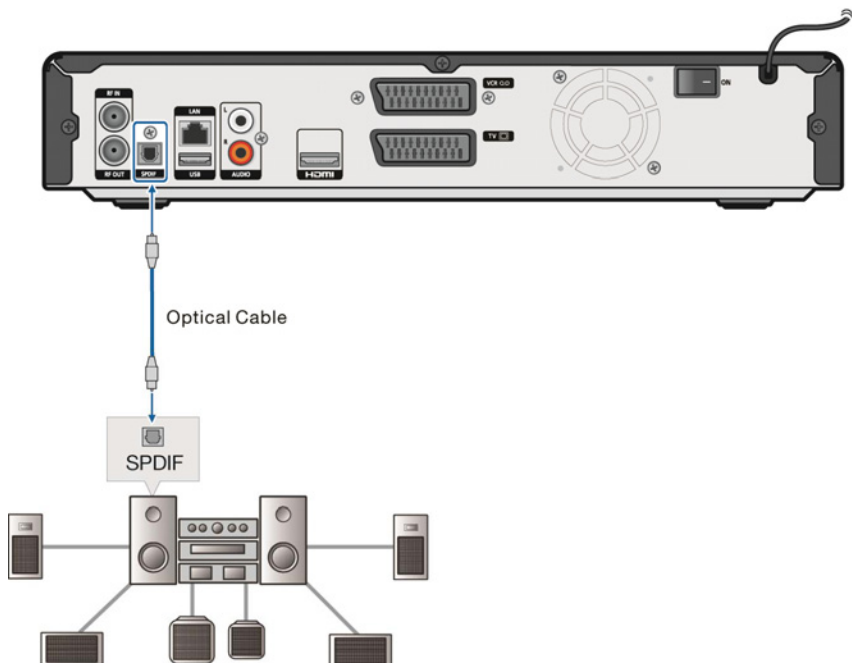


Macrovision Recommended Installation Notice

Do not connect the unit through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television.

Connection to a Digital Audio

This section describes how to connect a digital audio (an amplifier or home theater that has a Dolby Digital decoding function).



Using the optical cable for digital audio, connect the **DIGITAL AUDIO OUT** port at the rear of the body to the **Digital audio in (SPDIF)** port of a Dolby Digital audio.

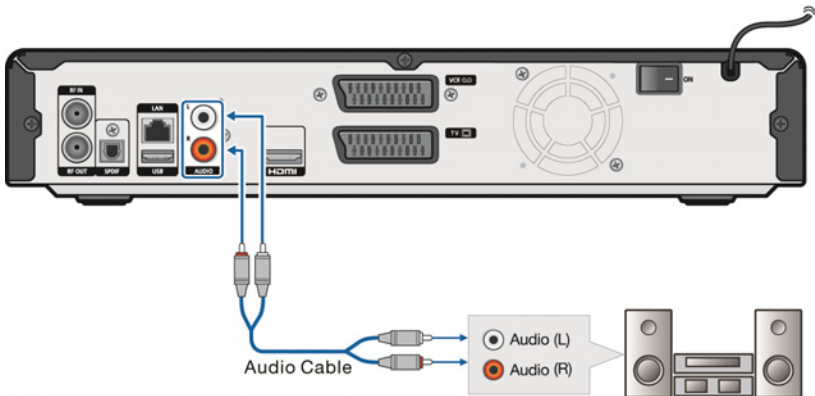


When Connecting to Dolby Digital Audio

- Even when the Dolby Digital amplifier is connected to a digital voice output port, connect the voice output port to the voice input port of a TV in preparation for the case when a TV speaker is used.
- When a digital voice output is used, adjust the volume of a digital amplifier, not of a receiver.

Connection to an Audio

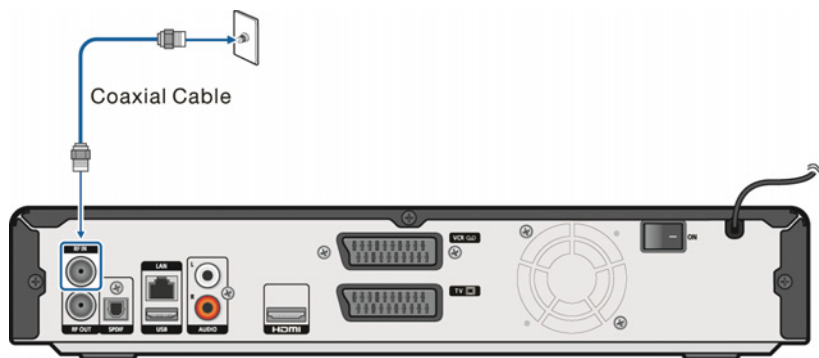
This section describes how to connect an audio.



Using the audio cable, connect the **AUDIO** port at the rear of the STB to the **Audio** port of an audio.

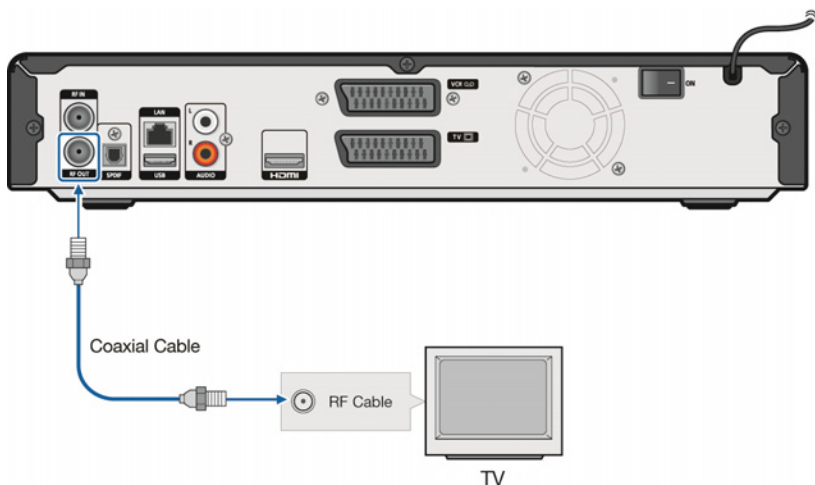
Connection to RF Antenna

This section describes how to connect to a RF antenna. Connect the coaxial cable connected to a RF antenna to the RF IN port.



Connection to a TV with an RF Cable Port

This section describes how to connect to a TV using a coaxial cable to support UHF RF output.



Connect the **RF OUT** port on the rear of the STB to the **RF Cable** port on the TV by using a coaxial cable.

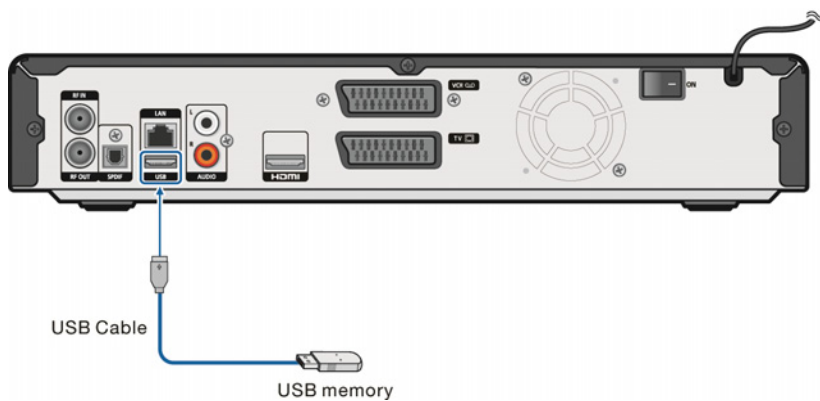


When Connecting a Coaxial Cable to the STB

Ask the service technician to check if the coaxial cable is properly grounded before connecting it to a STB. If not, there is a risk of it causing a fire.

USB Connection

This section describes how to connect an USB memory.



HOW TO USE THE PRODUCT

Installation Wizard

Before you can view the television program, you must perform the installation wizard that is run when the STB is first powered up.

Preparation-Insert the Smart card

You have to insert the Smart card into the smart card slot on the side of the STB.



Step 1-Language Selection

In this step, you select the language to use on the EPG and Menu.

- Press the **Navigation (Up/Down)** buttons to choose the language options (Dutch/English/French).
- Press the **OK** button or select the **Confirm** to confirm and move to the next screen.



Step 2-Channel Scan

The STB shall carry out a channel scan in order to populate its channel database.

- Set the appropriate settings for each of the items (Frequency/Network ID/ Modulation/Symbol rate) You can get the settings from the service provider.
- After successfully scanning, the results screen shall be shown indicating the numbers of TV and radio channels found.
- Press the **OK** button to confirm and move to the next screen.



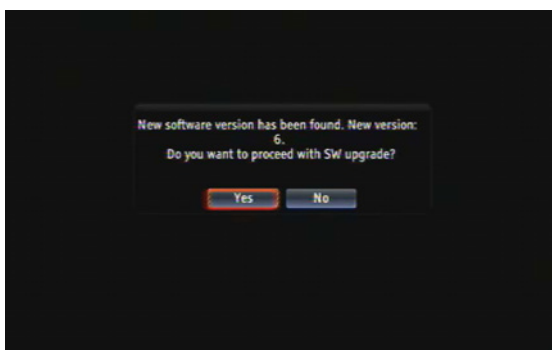
Step 3-New Software

In this step, the STB shall check for a software update.

- If a software update is detected, select **Yes** and press **OK** button to proceed the SW upgrade.

When the SW upgrade is finished, the STB shall reboot to apply the new SW.


- If the software update is not detected, the Installation Wizard shall complete.



Using the Basic Functions

Service Information

Changing to another screen or pressing the

INFO button () displays a channel information on the screen.

- You can see the details of a program, time etc.





Changing the Channels

You can move among channels by using the **CH**  button ().

Volume Control/Mute

You can adjust the volume by using the

VOL+/- button ().

To turn off the sound, press the **MUTE** button ().

When pressing it again, sound is turned on.



Channel List/Favorite Channel

Pressing the **OK** button on the remote controller displays the channel list on the screen.

- Pressing the **yellow** button allows you to set favorite channel.



Guide

Pressing the **GUIDE** button on the remote controller displays the Electronic Program Guide (EPG) on the screen.

- Pressing the color button allows you to set scheduling.



Info Banner

You can see the info banner by pressing once the **INFO** button while watching a program.



- You can see the next programs on current channel and another channel, using the **Navigation** buttons.
- You can confirm the current program's status (channel, title, broadcast time and record setting).

EN

HOW TO USE THE PRODUCT

Teletext functionality

The Teletext (where available) function can be activated when you press the **Text** button (**yellow** button) on the RCU.

You can split the screen to view the teletext and viewing program by pressing the **Timer** button on the RCU whenteletext is displayed (as presented below).



Using the Main Functions

Timeshifting

STB automatically saves the previous minutes of the channel that is watched or the radio channel that is listened. (maximum 120 minutes) This timeshifting mode makes it possible to stop live mode, rewind and review the program that was recorded moments before. Press **Play/Pause** button to enter the timeshifting mode.



EN

HOW TO USE THE PRODUCT

Pause/Play

- You can pause a program without missing what's next by pressing the **Play/Pause** button.
- To resume the current program where you left it, press **Play/Pause** button.

Rewind

- You can rewind by pressing the **Rewind** button.
- You will see the timeshifting/live delay increase. By pressing the **Rewind** button several times, you can increase the rewind speed. (×1, 2, 4, 8, 16, 32, 64, 128 speed) It is possible to rewind by timeshift buffer settings. (maximum 120 minutes)

Fast Forward

- You can fast forward by pressing the **Forward** button.
- You will see the timeshifting/live delay decrease.
By pressing the **Forward** button several times, you can increase the fast forward speed. (×1, 2, 4, 8, 16, 32, 64, 128 speed)
- If you remain in fast forward, you will finish by reaching the live program.

Stop

To exit the timeshifting mode and go back to the live program, press the **Stop** button.

Video Recording

You can record TV channels and Radio channels, press the **Rec** button.

You can record a program not only while watching the desired program, but also after selecting the desired program from the info banner, the TV guide or the Search menu.




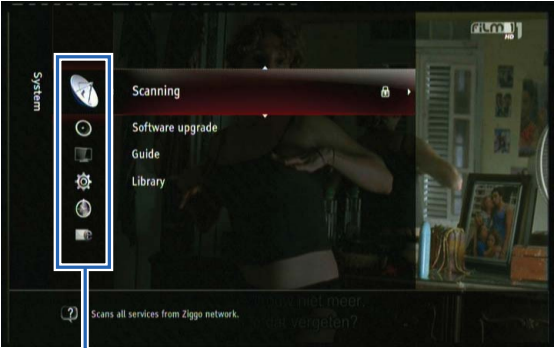
- You can simultaneously record 2 programs and watch one of them.
- The program to record display red icon in the zapping banner and the Channel list.
- If the program is to be broadcast at a later time or day, the STB will automatically book it, and will record it when it is broadcast.
- You can see the recorded programs list in the Library menu by pressing **Library** button. Also, you can see the booked programs list in the Programmed menu.
- When you press the **Timer** button while watching a TV, you can see the time menu screen. And you can set type, date, guard time, lock recording, etc. for recording.







- Press **Stop** button or **Rec** button in the program you are recording to stop video recording.
- You can delete the booked program in the programmed menu.

Main Menu

If you press the **MENU** button () while watching a TV, a main menu screen is displayed as follows:



Main Menu
System/Sound/Picture/Settings/
Programmed/Mailbox

- Select a desired item by using the **up/down** button ().
- Press the **right** button () to move to a lower level menu; or the **left** button () to a higher level menu.
- When a desired menu is found, press the **OK** button () to move to the selected menu screen.



Before Using the Product

The information contained in this chapter may be subject to change by a program provider without prior written notice to improve service or provide a new service. If the service has been changed, please contact a local service center.

System

Scanning

You can scan the channels by specifying the network information.

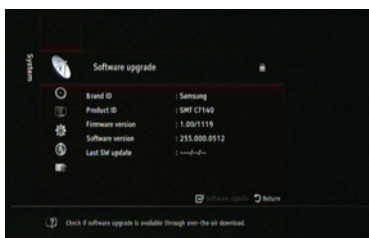
- The frequency/Network ID/Modulation/Symbol rate can be adjusted using the **Left/Right direction** button or entering number directly.
- Press the **OK** button to start scanning.
- Wait until the scan is completely finished.
- Press the **OK** button to apply the scan or **Return** button to cancel the scan.
- To use the Scanning menu, you need to enter a PIN code. The default PIN code is '0000'.



Software upgrade

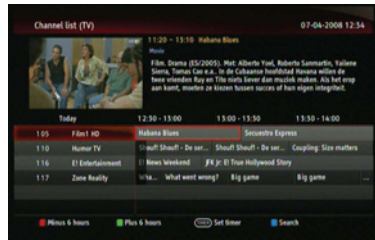
You can check the software version of a STB and upgrade it to the latest version.

- You can see the Brand ID/Product ID/Firmware version/Software version/Last SW information.
- Press the **OK** button to upgrade new software.
- To use the software upgrade menu, you need to enter a PIN code. The default PIN code is '0000'.



Guide

- The **color** button on the remote control is operated by the functions displayed at the bottom of a screen.
 - Press the **blue** button to search a desired program.
 - In Search functionality below options are available:
 - Delete (Multiple deleting)
 - Move
 - New Folder
 - Pin Lock
 - Auto erase protection
 - Sort
 - Select All
 - Deselect All
 - Select a channel program using **Direction** buttons and then press the **OK** button to watch the channel.
 - You can schedule programs by selecting a desired program from a program list and pressing the **TIMER** button on a remote control.
 - Three types of timer are available:
 - Watch, with
 - different frequency
 - Record, with
 - different frequency
 - Lock recording
 - Initial-guard time
 - Final guard time
 - Reminder, with:
 - different frequency
 - When it becomes the start time of the scheduled program, the relevant channel is displayed automatically.
- Pressing the **TIMER** button again cancels the scheduling. You can view the list of the scheduled programs from **[Main Menu] → [Programmed]**.



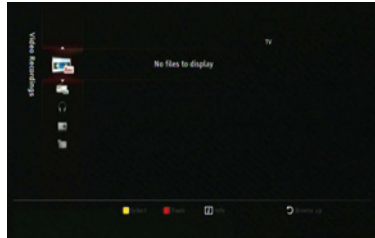
EN

HOW TO USE THE PRODUCT

Library

You can see the saved contents list.

- There are Video Recordings/Radio Recordings/Music/Images/All categories.



In library, options presented below are available, through **Tools** button:

- Delete (Multiple deleting)
- Move
- New Folder
- Pin Lock
- Auto erase protection
- Sort
- Select All
- Deselect All

You can editing recordings.:

1) Editing

- Go to library
- Play content
- Press **red** button during play back – in the place where you want modify the content
- Pop-up window with two options will be visible
- Choose one of the options [cut left] or [cut right]
- Confirm by **OK** button
- Part of the chosen file will be removed.
- Note: No PinCode required

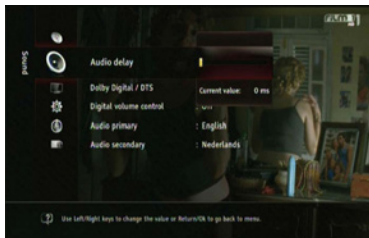


Sound

Audio delay

You can set the time difference to the speaker output of a home theater.

- **Left/Right direction** button is used to adjust the time.
- To use the Audio delay menu, you need to enter a PIN code. The default PIN code is '0000'.



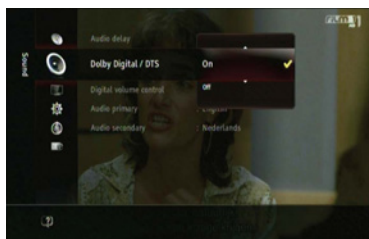
EN

HOW TO USE THE PRODUCT

Dolby Digital/DTS

Allows you to enable/disable the Dolby Digital audio, which is available when the program provider supports Dolby Digital audio.

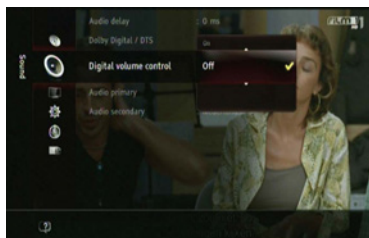
- The default setting is On.



Digital volume control

Allows you to control the volume of an amplifier of a home theater etc. using a remote control.

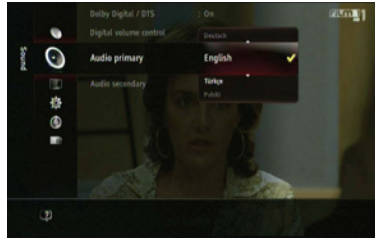
- For some channels which provide Dolby digital sound, you cannot control the volume.



Audio primary

You can change the language for the Audio primary.

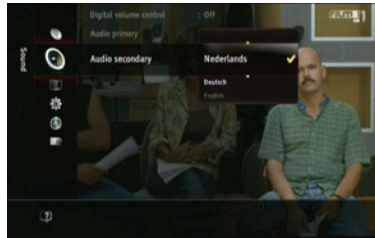
- Select the default language for the Audio primary using the **Up/Down direction** button.



Audio secondary

You can change the language for the Audio secondary, which is available if an Audio secondary service is provided by the program provider.

- Select the default language for the Audio secondary using the **Up/Down direction** button.



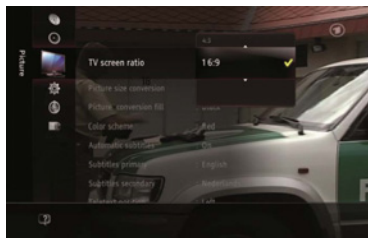
Picture

TV screen ratio

Allows you to change the screen output ratio.

- 4:3 and 16:9 ratio are available.
- The screen ratios available differ depending on the value setting of the aspect ratio.

Aspect ratio	Screen ratio
Pillar box	16:9
Zoom	16:9, 4:3
Letter box	4:3



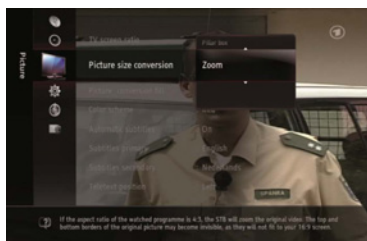
EN

HOW TO USE THE PRODUCT

Picture size conversion

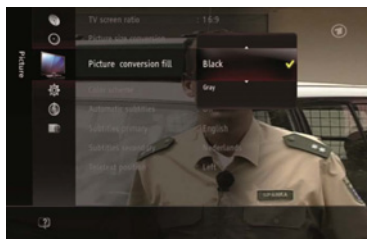
Allows you to change a screen output type.

- Use TV's feature, Pillar box, and Zoom are available for selection in the 16:9 TV screen ratio.
- Use TV's feature, Letter box, and Zoom are available for selection in the 4:3 TV screen ratio.
- You can see the difference when the selected type is the same as the screen output type supported by the TV. If they are not the same, the difference is not reflected on screen.



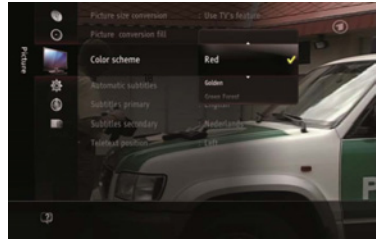
Picture conversion fill

You may see empty space on a screen depending on the aspect ratio and screen ratio settings. You can set the color to fill the empty space.



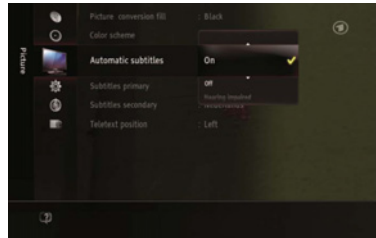
Color scheme

Used to change the color scheme of a menu.



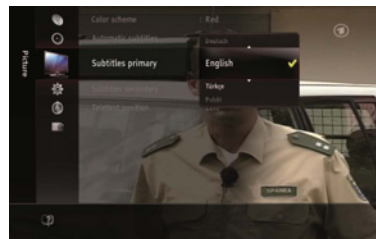
Automatic subtitles

Allows you to enable/disable subtitles.
To enable them, select On.



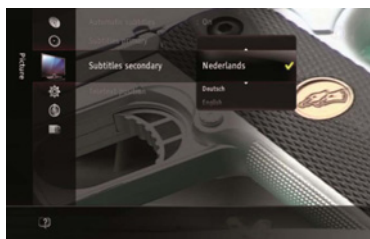
Subtitles primary

Allows you to change the primary language
for the subtitles.



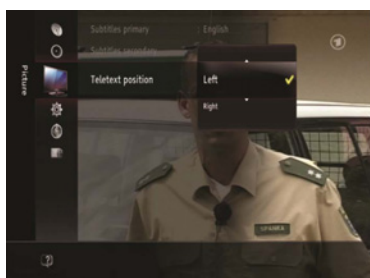
Subtitles secondary

Allows you to change the secondary language for the subtitles. Subtitles are available when a secondary language service is provided by the program provider.



Teletext position

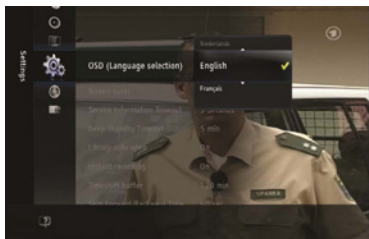
You can set the position of teletext during splitting functionality described in “Teletext functionality” on page 30.



Settings

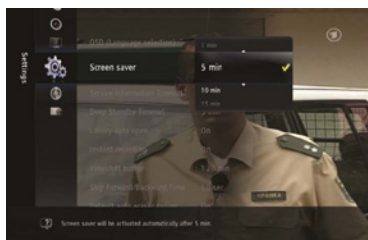
OSD (Language selection)

On Screen Display (OSD) is used to change the language of the menu screen.



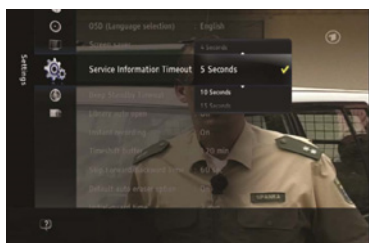
Screen saver

If there is no input from the remote control for a given period of time, the menu window disappears. For this purpose, enter the input waiting time of the remote control.



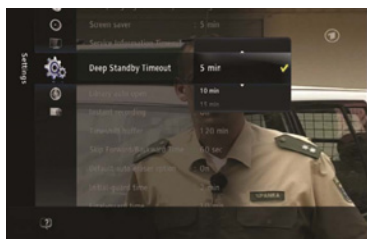
Service information timeout

Allows you to change the duration when the service information, which appears at the top of the screen upon changing channels or pressing the **INFO** button, is displayed.



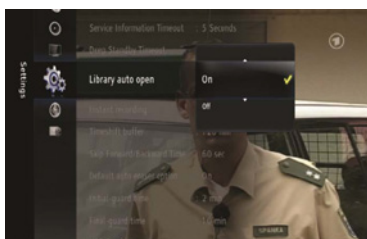
Deep Standby Timeout

Allows you to change the duration when the STB goes to deep standby mode.



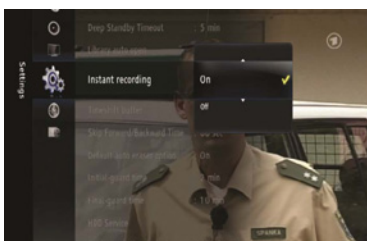
Library auto open

Allows you to automatically open the library when a USB memory stick is inserted.



Instant recording

Used to turn on/off instant recording.

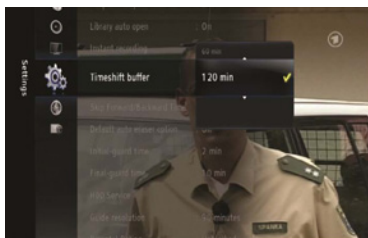


Timeshift buffer

Used to set timeshift buffer duration.

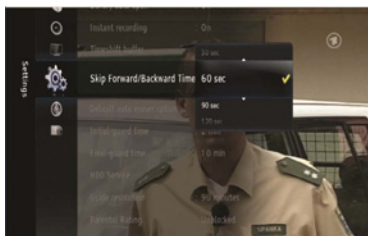


The Time Shift Buffer is a temporary Hard Disk storage which is activated whenever you press the channel button on the remote (channel change). It automatically stores the TV program you are currently watching into a temporary storage to allow you to Pause Live TV or resume playback at any time



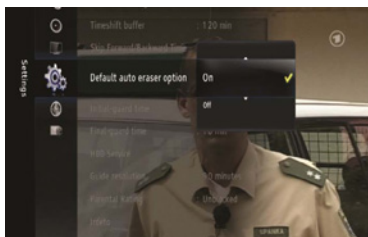
Skip Forward/Backward Time

Allows you to change the duration of Skip Forward/Backward during timeshift or playback.



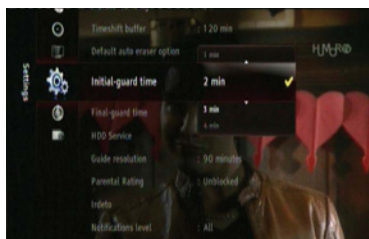
Default auto eraser option

Allows you to erase the oldest recorded program from the library automatically. 20% of HDD capacity will always be available.



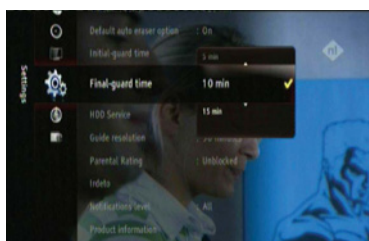
Initial-guard time

Allows you to set how many minutes before scheduled recording should started.



Final-guard time

Allows you to set how many minutes after scheduled recording should be stopped.

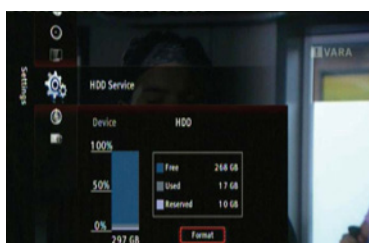


HDD Service

Displays the HDD usage information.

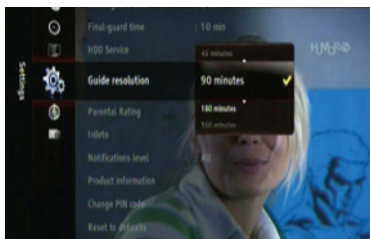


HDD capacity may differ depending on the model.



Guide resolution

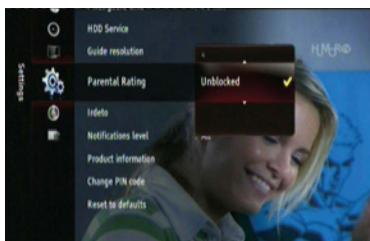
This menu specifies the standard for setting the time interval of displaying the program list on a channel guide screen. The longer the interval is the more programs can be checked on a single screen.



Parental rating

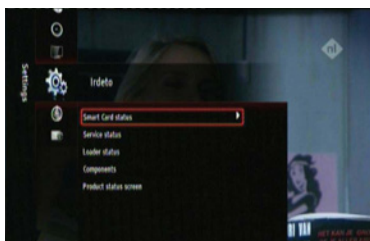
Used to set TV ratings to prevent harmful programs. To watch the program above the age limit, a PIN code must be entered.

- To set the menu, a PIN code must be entered first.
- The default PIN code is '0000'.



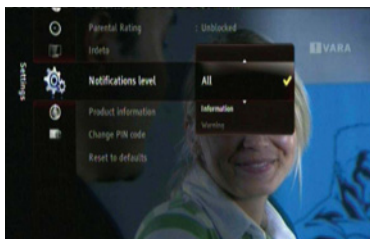
Irdeto

Displays the information for watching pay TV.



Notifications level

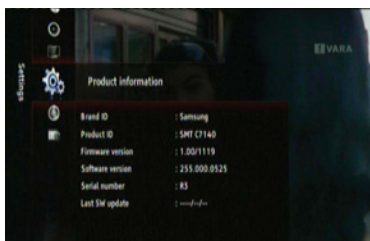
Used to set notification level. You can select notifications level to reduce number of popup displayed while using STB.



Product information

Displays the information on the product.

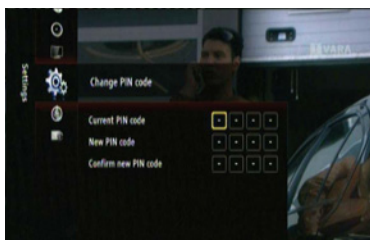
- You can check the Brand ID, Product ID, Firmware version, Software version, Serial number and Last SW update information.



Change PIN code

Used to change the PIN code value.

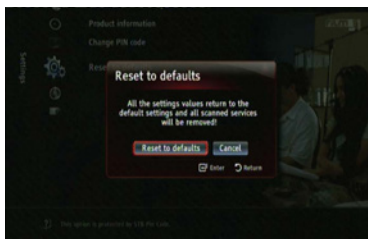
- Enter the current PIN code and then a new PIN code, and then press the **OK** button.
- Default PIN code is '0000'.



Reset to defaults

Used to reset all the settings to the default values.

- Select the **[Reset to defaults]** on the reset confirmation window, and press **OK** button to reset.



Programmed

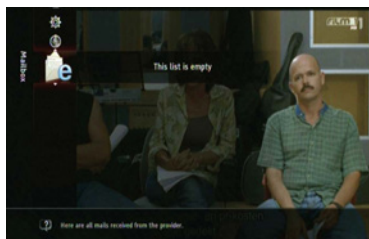
You can see the list of the scheduled programs.

- To cancel scheduling, select the program by pressing the **yellow** button, and then press the **blue** button, and select **[cancel schedules]**.



Mailbox

You can check a received email on the screen.



TROUBLESHOOTING

This section describes how to handle the problems that may occur while using the STB.

If the STB becomes abnormal, first check the following:

If the problem still exists, contact a local service center.

EN

TROUBLESHOOTING



Screen

Trouble	Solution
Nothing appears on a TV screen.	<ol style="list-style-type: none">1. Check if the TV and STB are powered on.2. Check the connection status of the cable between TV and STB.3. Check if the TV input is set to an external input mode.4. Press Power button to check the STB is in standby mode.
A menu screen is not displayed.	<ol style="list-style-type: none">1. Power on the STB, and then press the Menu button on the remote control.2. If pressing the Menu button still does not display a menu screen properly, contact the local service center.



Remote Control

Trouble	Solution
The remote control does not work.	<ol style="list-style-type: none">1. Check if the remote control is suitable for the STB.2. Replace the batteries with new ones and check if the remote control works normally.3. Check if the batteries are placed correctly.4. Check if there is an obstacle between a STB and a remote control.5. Operate the remote control near to the STB to see if it works normally.



General

Trouble	Solution
No sound comes out from TV or audio.	<ol style="list-style-type: none">1. Check the connection status of the cable between the audio port of TV/audio system and the AUDIO OUT port at the rear of the STB.2. If the cable is connected normally, check if the MUTE function is enabled. If the MUTE function is enabled, press the MUTE button on the remote control to disable it.
I cannot remember the password for the STB.	<p>The default password for the STB is '0000'.</p> <p>If you cannot remember the password, contact a local service center. You can specify a new password after initializing it.</p>

TV Manufacturer Number

The TV manufacturers and their numbers that a remote control can support are listed in the table below.

Manufacturer	Setting Numbers	Manufacturer	Setting Numbers
SAMSUNG	105 106 108 109 115 116 118 124 129 151 153 158 160 170 177 186 187 196 225 226 237 274 310 312 387 397 400 421 440 441 442	AOC	105 122 129 166
ACCENT	108 186	APOLLO	281
ACCUPHASE	108	AR	333
ACEC	451	ARC EN CIEL	354 414 416 419 420 454
ACTION	213 225	ARCAM	122 152 153 400 454
ACURA	124	ARDEN	108 186 287
ADMIRAL	130 144 170 175 209 223 243 264 271 297 310 351 357	ARISTONA	108 186 271 397 408 451
ADYSON	106 153 400	ARTHUR MARTIN ASA	220 264 310
AEA	108 186		260 261 263 264 270 271 273 278 295 297 298 299 351 367 372 373 378 379 382 384 385
AGASHI	153 170 400	ASBERG	108 186 229 296 376
AGB	284	ASORA	124
AGEF	297 351	ASTRA	108 186
AIKO	108 118 119 124 153 170 186 207 226 236 264 294 400	ASUKA	153 154 170 174 397 400
AIM	108 118 186 231	ATLANTIC	108 117 186 208 397 400 411 453
AIWA	248 249 293 448	ATORI	124
AKAI	105 108 109 118 124 129 134 153 154 170 186 196 198 199 207 209 224 225 226 236 246 264 277 282 284 285 286 287 288 294 310 397 400 416	AUCHAN	220 264 310
AKIBA	108 154 174 186 289	AUDIOSONIC	108 124 153 170 186 189 242 274 276 280 287 288 400 414 416
AKITO	108 186 290	AUDIOTON	153 170 274 276 280 397 400
AKURA	108 124 154 170 174 186 231 300 307 405	AUDIOVOX	119 122 162 182
ALARON	152 161 165 400	AUMARK	116
ALBA	107 108 124 134 154 186 210 223 236 241 246 251 264 274 300 308 310 393 397 400	AUSIND	279 296 376 381
ALBIRAL	452	AUTOVOX	117 153 158 175 207 278 296 297 305 348 351 376 378 379 381 385 393 397 400 404 405 408 411 423
ALCYON	296 376		108 124 153 170 186 231 242 285 288 321 345 347 400
ALKOS	294	AWA	124
ALLORGAN	117 153 211 397 400 411	AXXENT	287
ALLSTAR	108 186	AYOMI	401
AMBASSADOR	141	BAIRD	118 153 196 198 226 353 400 414 416 417
AMPLIVISION	153 220 274 400 453		297 314 351
AMSTRAD	108 124 134 141 149 154 170 186 192 231 236 246 255 264 284 308 345	BANG & OLUFSEN	
ANAM	108 123 124 162 186	BARCO	184 192 264 310 452
ANAM NATIONAL	108 114 186	BASIC LINE	108 124 153 154 174 186 242 264 289 300 310 321
ANGLO	124 170	BASTIDE	153 400
ANITECH	108 124 170 174 186 229 296 376	BAUR	108 185 186 187 192 198 207 209 264 305 365 366 369 386 405
ANSONIC	108 124 186 212 229 236 242 264 274 280 298 300 310 313 393 451	BAYSONIC	162
		BAZIN	153

Manufacturer	Setting Numbers
BEAUMARK	129 160
BEC	209 213 225
BECRESE	142 198 199 209 213
BEKO	108 186 274 276 280 285 287 288 294
BELCOR	129
BELL & HOWELL	126 139 196
BEON	108 186 223
BERTHEN	300
BEST	274
BESTAR	108 186 242 274 321
BESTAR- DAEWOO	242
BINATONE	153 400
BLACK DIAMOND	108 246
BLACK PANTHER	229
BLACK STRIP	294
BLACKSTAR	393
BLACKSTRIPE	142 196 198
BLACKTRON	174
BLACKWAY	174
BLAUPUNKT	150 151 169 289 357 362 363 365 366 369 434 436 453
BLUE SKY	108 124 154 174 186 246 251 287 288 289 300
BLUE STAR	174
BONDSTEC	393
BOOTS	124 153 290 397 400
BOSCH-BAUER	208
BPL	108 174 186 309
BRADFORD	162
BRANDT	354 359 414 416 417 418 430 432 454
BRANT	414 419 420
ELECTRONIC	
BRANT	354 414 416 419
ELECTRONIQUE	
BRINKMANN	108 186 223 276 300
BRIONVEGA	108 186 192 264 271 297 308 348 351 392 425
BRITANNIA	152 153 400
BROCKWOOD	129
BROKSONIC	122 157 183
BROTHER	170
BROUNS	271 351
BRUNS	228 280 297
BSR	203 207 211 264 308 310
BTC	154
BUSH	107 108 124 134 153 154 170 174 186 192 196 198 203 207 209 210 211 236 241 242 246 251 264 287 290 300 301 305 310 321 400 405
BUSH (UK)	264 308
CANDLE	105 115 167
CAPEHART	225
CAPSONIC	108 170 289
CARAD	108 186 300
CARENA	108 186 289
CARNIVALE	105
CARREFOUR	107 108 186 195

Manufacturer	Setting Numbers
CARVER	113 148
CASCADE	108 124 186 328
CASIO	108 186 305 310
CATHAY	108 186
CCE	108 153 177 186 400
CCI	218
CENTRUM	246
CENTURION	108 186
CENTURY	223 271 297 351 357 393 401
CGE	191 192 211 223 243 264 274 296 308 310 360 376 381 383 393 435 437
CIE	233
CIMLINE	124 141 210
CINERAL	119 182
CITIZEN	105 109 115 116 119 142 167 173
CITY	124
CLAIRTONE	166
CLARIVOX	108 186 223 224 229 295 410
CLATRONIC	108 124 153 154 170 186 208 229 236 274 287 296 376 393 400 453
CLAYTON	246
CME	107 108 118 124 125 141 144 153 155 156 158 175 178 185
CMS HIGHTEC	153 400
COMTEL	410
CONCERTO	115
CONCORDE	124
CONDOR	108 124 170 174 186 208 212 223 229 274 310 393 397 400 403 453
CONIC	213
CONRAD	108 186
CONTEC	107 108 124 152 162 166 170 186 345 347 400
CONTINENTAL	251 354 414 416 419 420 430 432 454
EDISON	
COSMEL	108 124 186
CRAIG	162
CRIPTOVISION	195
CROSLEY	113 191 211 213 262 264 271 296 297 310 351 357 376 381 383 393 435 437
CROWN	108 109 112 124 162 186 196 198 223 229 251 274 276 285 287 288 296 304 307 309 376 405 152 154 393 400
CS ELECTRONICS	
CTC	208 393
CTC CLATRONIC	229
CURTIS MATHES	105 109 110 111 113 115 116 126 130 136 139 142 146 178 182 196
CXC	162
CYBERTRON	154
DAEWOO	108 109 119 124 129 153 154 182 186 233 242 321 400
DAINICHI	154 400
DANSAI	108 124 153 170 186 294 400
DANSETTE	231
DANTAX	274 276 285 287 288
DATSURA	196 198 309
DAWA	108 186
DAYTON	108 321
DAYTRON	108 109 124 129 186 198 242

Manufacturer	Setting Numbers
DE GRAAF	156 196 198 264 310 406
DECCA	108 118 153 186 226 284 290 398
DECCA (UK)	108 290 345 395 397 400
DEITRON	108 186 242
DENKO	170
DENON	136 178
DENVER	108 186 285
DERWENT	409
DESMET	108 124 186 208 297 453
DIAMANT	108 186
DIAMOND	170 301
DIGATRON	108 186
DIGILINE	108 186
DIGITOR	108 186
DIGIVISION	207
DIK	108 186
DIXI	108 123 124 153 186 228 297 393 400
DOMEOS	300
DORIC	264 305 409
DREAN	108
DTS	124
DUAL	108 153 186 207 264 305 308 310 364 386 397 400 404 405 416 423 438 454
DUAL TEC	124 153 308 361 397 400
DUMINT	229
DUMONT	118 127 129 153 191 226 229 264 271 295 297 298 351 373 379 384 385 400
DUMONT-FINLUX	229 264 372 378 382
DUNAI	310
DUX	108 186 451
D-VISION	108 186
DYNATECH	153
DYNATRON	108 186
ECTEC	189
ELBE	108 153 154 186 207 212 219 239 243 264 274 284 308 310 313 364 401
ELBE-SHARP	284
ELCIT	229 264 271 284 297 308 310 351
ELCIT	390 393 395
ELECTRO TECH	124
ELECTROBAND	166
ELECTROHOME	188 196 213
ELEKTA	108 124 170 174 186
ELG	108 186
ELIN	108 124 186 207 264 298 299 305 310 372 400 405 406
ELITE	108 142 154 186 196 208 403
ELMAN	229 308
ELTA	124 170

Manufacturer	Setting Numbers
EMERSON	108 109 129 139 141 157 160 161 162 163 164 165 166 170 171 173 174 183 186 207 236 271 274 276 295 296 297 310 351 393 400 453 174
EMPEROR	105
ENVISION	105
ERRES	108 186 357
ESC	108 153 186 451
ESTELE	310
ETRON	108 124 186 264 310
EURO-FEEL	153 170
EUROMANN	108 153 170 186 274 400
EUROPA	108 186
EUROPHON	108 153 186 229 264 284 308 310 393 395 397 398 400
EXCEL	108 186
EXPERT	117 220 264 310 411
EXQUISIT	108 186 393
FAMILY LIFE	108 186
FENNER	124 242 321
FERGUSON	108 170 186 192 207 226 227 294 298 353 359 365 379 397 401 414 416 417 418 431
FIDELITY	108 152 170 186 187 194 207 231 236 264 310 397 400
FILSAI	153 397 400
FINLANDIA	118 155 196 198 207 263 264 273 307 310 373 405
FINLUX	108 118 153 161 186 191 203 212 223 226 229 260 261 262 263 264 270 273 278 279 281 282 283 284 285 286 287 288 295 296 297 298 299 310 351 367 372 373 376 378 379 381 382 384 385 400
FIRST LINE	108 118 124 152 153 186 196 198 207 210 211 212 226 229 242 264 287 300 305 310 321 393 400 401 405 445
FISHER	107 118 139 143 153 196 198 207 226 228 264 271 274 297 298 305 310 347 351 367 375 386 397 400 405 423 443
FLINT	108 118 154 170 186 226 289
FNR	229
FORMENTI	108 186 191 192 193 208 264 276 296 297 310 351 357 376 381 400 403 453
FORMENTI- PHOENIX	262 264 279 397 453
FORTRESS	130 297 351
FRABA	108 186 274
FRIAC	108 124 186 229 274
FRONTECH	109 124 144 153 170 209 264 305 310 393 400 405
FUJITSU	108 117 118 123 124 153 161 186 207 225 226 229 264 310 322 323 400 411
FUJITSU GENERAL	117 124 153 310 400
FUNAI	149 161 162 170 211 231 300
FUTURE	108 186
FUTURETECH	162
GALAXIS	108 186 223 229 252 274
GALERIA	124
GBC	124 192 209 242 262 264 308 310 321
GE	101 103 110 111 114 129 130 135 160 174 182 414 416 417
GEANT CASINO	220 264 310
GECE	108 118 153 186 205 207 213 226 264 284 305 310 398 400 405
GECE(UK)	264 395 397
GELOSO	124 191 209 242 262 264 308 310 321 357 390 393
GENERAL	328 414 416

Manufacturer	Setting Numbers
GENERAL TECHNIC	124
GENESIS	124
GENEXXA	108 124 144 154 186 231 264 310
GIANT	153
GIBRALTER	105 127 129
GO VIDEO	116
GOLDFUNK	300
GOLDHAND	400
GOLDSTAR	105 106 108 109 115 120 121 124 129 134 153 160 170 186 203 207 213 225 250 274 285 310 312
GOODMANS	107 108 118 124 153 161 170 182 186 210 226 233 236 242 246 251 264 282 284 294 300 312 321 400 416 417
GORENJE	274
GPM	154
GRADIENTE	108 112 115 148 180 186
GRADIN	208
GRAETZ	108 144 186 191 207 209 236 264 304 310 381
GRANADA	107 108 118 137 153 155 186 192 196 198 199 216 220 225 226 264 276 281 284 296 304 306 307 310 376 398 400 405 409 417 443 451
GRANADA (UK)	264 381 395 397
GRANDIN	108 124 154 174 186 220 239 242 264 287 288 289 300 310 453
GRONIC	153 229 310 400
GRUNDIG	108 124 133 150 158 169 186 237 251 270 274 295 296 302 365 366 369 376 379 381
GRUNPY	161 162
HALIFAX	153 170 400
HALLMARK	160
HAMPTON	153 400
HANIMEX	211
HANSEATIC	107 108 124 153 174 186 187 207 208 209 211 212 262 264 274 276 280 297 305 309 310 313 351 397 400 403 405 453
HANTAREX	108 124 186 229 284 395
HANTOR	108 186
HARLEY DAVIDSON	161
HARMAN KARDON	113
HARVARD	162
HARWOOD	108 124 186 231
HAUPPAUGE	108 186
HAVERMY	130
HCM	108 124 153 154 170 174 186 223 231 400
HEDZON	108 186
HEMA	124 153 400
HEMMERMANN	207 264 305 405
HIFIVOX	354 414 416 419 420 454
HIGASHI	397
HIGHLINE	108 170 186
HINARI	107 108 109 124 133 141 154 161 170 186 196 198 210 211 241 251 264 310

Manufacturer	Setting Numbers
HISAWA	154 174 220 289
HIT	297 351
HITACHI	106 107 108 115 118 129 131 132 136 138 140 144 153 155 156 178 179 186 187 191 192 198 199 200 201 204 205 206 207 209 213 214 215 216 217 225 226 258 264 267 281 282 283 284 299 305 306 307 308 310 311 341 342 343 344 354 372 397 400 405 406 414 416 417 422
HITACHI FUJIAN	137
HITSU	124 154 289
HMV	297
HORNYPHONE	108 186 451
HOSHAI	154 289
HUANYU	152 242 321 400
HUSPI ELEKTRONIK	223
HYGASHI	153 400
HYPER	124 153 308 393 397 400
HYPERSONIC	264
HYPERVISION	207 234
HYPSON	108 153 170 174 186 220 287 288 289 400
HYUNDAI	108 186
IBERIA	108 186
ICES	154 400
ICT	108 186
IMPERIAL	108 186 191 192 202 207 209 212 223 243 264 274 296 305 308 310 360 376 381 382 383 393 405 435 437
INDESIT	158
INDIANA	108 186
INFINITY	113
INGEKEN	239 144 207 239 251 264 287 310 381
INGERSOLL	124
INNO HIT	108 109 118 124 153 154 174 186 225 226 229 284 296 312 376 393 395 397 400
INNOVA	108
INNOVATION	108 186
INTEQ	127
INTERACTIVE	108 186 187 207 212 274 297 310
INTERBUY	108 124 170 186 187 393
INTERFUNK	108 144 186 187 205 207 209 264 268 271 274 277 297 305 310 351 381 393 414 416 419 420 451
INTERNAL	108 186 242
INTERVISION	108 124 153 154 170 174 186 224 229 236 251 254 264 274 276 289 310 393 400
IR	437
IRRADIO	108 109 124 154 186 279 296 312 376 381 393
ISUKAI	108 154 174 186 289
ITC	153 192 400
ITS	108 124 154 170 174 186 236 400
ITT	144 161 191 196 198 207 209 210 242 263 264 273 281 282 304 305 310 373 381 405 406 424
ITT NOKIA	161 196 198 207 210 239 242 263 264 268 273 277 281 282 285 286 288 304 305 310 373 381 405
ITV	108 170 186 242 393

Manufacturer	Setting Numbers
JBL	113
JCB	237
JEAN	107
JEC	142 294
JET POINT	116
JMB	108 133 186 242
JOCEL	303
JUBILEE	108
JVC	107 112 147 154 164 223 227 236 285 288 353 416
KAISUI	108 124 152 153 154 174 186 289 397 400
KAMOSONIC	397
KAMP	152 400
KAPSCH	117 144 205 207 209 264 298 310 411
KARCHER	108 124 170 174 186 229 239 264 274 310 372 397
KATHREIN	108 186 187
KAWASHO	152 176 400
KB ARISTOCRAT	264 310
KEC	162
KENDO	108 186 187 192 209 210 212 224 229 239 264 274 280 308 310 393
KENNEDY	117 192 243 262 264 310 408 411
KENWOOD	105 129 299
KINGSLEY	152 400
KITON	108 186
KLARMAX	452
KLH	225
KLOSS	102
KMC	134
KNEISSEL	108 186 212 239 242 243 274 308 313 364 401
KOLSTER	108 186 229 305 405
KONIG	107 108 124 125 144 151 158
KONKA	108 154 186 223 236 287
KONTAKT	251
KORPEL	108 186
KORTING	208 211 271 274 297 351 453
KOSMOS	108 186
KOTRON	170 231
KOYODA	124
KRAKING	401
KRIESLER	271 397 408 451
KTV	105 109 153 162 165 166 173 397 400
KUBA	305 310
KUBA ELECTRONIC	207 305 310
KURO	309
KYOSHU	170 223 231
KYOTO	153 264 310
LASAT	274 276
LEADER	124
LECSON	108 186
LEMAIR	212

Manufacturer	Setting Numbers
LENCO	108 124 170 186 233 242 256 264 298 310 321
LENOIR	124 397
LESA	393
LEVIS AUSTRIA	108 186
LEYCO	108 118 170 186 211 225 226
LG	108 115 124 129 153 186 207 224 244 264 274 285 287 308 310 312 386 391 393 397 400 416 108 186 434 451
LIESENK & TTER	
LIFE	374 413 429 450
LIFETEC	108 124 154 170 186 187 242 246 300 321 374 413 429 450
LLOYD'S	124
LLOYTRON	106
LOEWE	108 113 186 187 246 247 271 272 274 275 290 297 308 313 351 398
LOEWE OPTA	271 272 351 395 398 426
LOGIK	108 120 126 186 236 301 345
LOGIX	124 300
LUMA	108 117 124 186 209 212 242 264 308 310 321 411
LUMATRON	108 117 153 170 186 207 264 308 310 400 411
LUX MAY	108 124 134 186
LUXMAN	115
LUXMAY	124
LUXOR	153 158 161 192 196 198 204 205 207 209 225 263 264 267 273 277 281 282 283 286 305 306 310 311 312 373 381 397 399 405
LXI	110 113 127 129 139 142 160 196
LYCO	170
M ELECTRONIC	108 124 144 153
MAAZ	452
MADISON	108
MAGAVOX	107
MAGNADYNE	191 207 229 262 264 271 284 297 308 310 351 390 393 395 398
MAGNAFON	229 279 284 296 357 376 381 395 397 398 400
MAGNASONIC	196
MAGNAVOX	100 102 104 105 107 108 113 161 167 168 186 213
MAGNUM	108 186 287 288 374 413 429 450
MAIDSON	108 186
MAJESTIC	126
MANDOR	170
MANESTH	108 153 170 186 208 210 211 294 310 400 403 453
MANHATTAN	108 124 186 246 300 310
MARANTZ	105 108 113 186 187 231
MARELLI	297 351
MARK	108 124 153 186 242 287 288 321 400
MASUDA	108 124 153 154 170 186 236
MATSUI	107 108 118 124 125 133 141 153 186 196 198 202 207 210 211 226 236 241 251 264 284 289 290 294 305 310 345 365 397 400 405 417 443
MATSUSHITA	111 179
MAXIMAL	264
MAXWELL	452
MC MICHAEL	213
MEDIATOR	108 186 451
MEDION	108 124 186 187 300 301
MEGAS	239

Manufacturer	Setting Numbers
MEGATRON	122 129 136 160 178 199
MEI	166
MELETRONIC	108 124 186 187 207 212 242 263 273 282 283 298 299 305 310 321 367 372 373 393 400 405 414 416
MELVOX	220
MEMOREX	115 116 124 126 129 134 137 139 160 170 179 196
MEMPHIS	118 124 225 226 410
MERCURY	108 124 186
METZ	108 186 246 271 297 300 346 350 351 352 357 365 368 369 395
MGA	105 108 129 133 137 160 186 298
MICROMAXX	108 124 186 246 300
MICROSTAR	374 413 429 450
MIDLAND	106 109 110 111 127 135
MINATO	108 186
MINERVA	158 251 284 295 296 365 366 369 376 379 381
MINOKA	108 186 231 307 405
MINUTZ	101
MITSUBISHI	107 108 129 130 133 137 158 160 186 187 196 271 297 345 351 365 369 409 424
MITSURI GENERAL MIVAR	310 152 153 270 274 284 296 312 313 376 377 380 381 386 389 395 397 398 400 412
MONACO	124
MORGAN'S	108 186
MOTION	296 376
MOTOROLA	114 130
MTC	105 115 116 129 152 166 187 207 274 305 310 400 405
MTEC	290
MULTIMEDIA	232
MULTISTANDARD	229
MULTITEC	108 124 186 246 276 300
MULTITECH	108 124 152 153 162 170 186 209 229 274 276 296 305 376 393 395 397 398 400 405
MURPHY	118 226 264 298 310 400 409
MUSIKLAND	108 154 186
MYRYAD	108 186
NAD	129 142 146 160 198 207 264 310
NAIKO	108 186 285
NAKIMURA	108 186 242 321
NAONIS	209 264 310 361 408
NAT	114 422
NATIONAL	114 155 158 264
NEC	105 107 108 115 124 129 148 153 186 242 289 321 345 400 453
NECKERMANN	108 153 169 185 186 187 192 209 212 223 264 271 274 297 305 310 351 357 360 365 366 393 397 400 405
NEI	108 186 236 310 410
NESCO	161 393
NETSAT	108 186
NEUFUNK	108 124 174 186 239 287

Manufacturer	Setting Numbers
NEW TECH	107 108 124 153 154 170 186 226 400
NEW WORLD	154
NICAMAGIC	400
NIKKAI	106 107 108 109 118 124 142 152 153 154 170 186 225 226 264 294 400 410
NIKKO	105 110 119 127 129 139 142 160
NISATO	189
NOBLEX	108 170 181
NOBLIKO	229 279 295 296 376 379 381 397 400
NOGMATIC	354 414 416 419 420 454
NOKIA	161 170 196 198 204 205 206 207 209 210 242 253 263 264 273 281 282 283 285 286 288 304 305 307 310 321 373 381 405 406 424
NORDIC	153
NORDMENDE	108 186 191 264 287 310 348 354 357 365 414 416 417 419 420 454
NORFOLK	310
NORMEREL	108 186
NOSHI	128
NOVATRONIC	108 186 242 299 321 372
NTC	119
NURNBERG	207 310
OCEANIC	144 191 196 198 200 207 209 211 220 264 277 281 282 310 358 415
OCEANIC (F)	264
ODEON	170
OKANO	108 118 124 170 186 226 274
OMEGA	170
ONCEAS	397
ONWA	134 154 162 229 236
OPERA	108 186
OPTIMUS	139 146 179
OPTONICA	130 145
ORBIT	108 186
ORION	108 124 133 141 157 161 170 183 186 207 208 210 211 229 231 241 264 284 287 345 403 427 445 446 447 453
ORLINE	108 154 186
ORMENTI- PHOENIX	264
ORMOND	108 124 246 300
ORSOWE	284
OSAKI	106 108 109 118 153 154 170 186 225 226 231 241 242 290 321 400
OSIO	108 186 312
OSO	154
OSUME	106 107 108 118 154 186 225 226
OTTO VERSAND	107 108 124 130 153 169 174 185 186 187 191 192 198 203 207 208 209 210 211 262 264 280 284 305 309 357 365 366 369 386 393 397 400 403 405 414 417 433 453
PACIFIC	108 186
PAEL	279 397 400
PALLADIUM	108 153 185 186 209 212 223 264 274 297 305 310 351 365 393 400 405
PALSONIC	108 153 170 186 224 231 301 334 335 400
PANAMA	108 124 153 170 186 393 400

Manufacturer	Setting Numbers
PANASONIC	108 110 111 112 113 114 116 120 130 136 137 139 142 144 145 155 158 160 178 179 186 191 207 209 264 284 310 357 368 422 108 186 212
PANAVISION	
PATHE CINEMA	152 155 192 208 220 264 274 305 308 310 313 357 397 400 401 403 405 453 354 414 416 419 420 430 432 454
PATHE MARCONI	
PAUSA	124
PCE/PEC	142 196 198
PENNEY	101 103 105 106 109 110 111 115 116 121 122 128 129 135 142 160 108 118 174 186 226 264 310 403 453
PERDIO	
PERFEKT	108 186
PERSHIN	220
PHASE	106
PHILCO	100 102 104 105 108 113 129 136 155 167 168 178 183 186 192 211 223 243 262 264 271 274 296 297 308 310 351 357 360 376 381 383 393 435 437 310
PHILEX	
PHILHARMONIC	153 400
PHILIPS	100 101 102 103 104 108 109 113 127 128 129 186 187 213 225 238 240 242 249 271 297 314 321 327 328 329 331 351 365 366 383 397 408 416 427 428 430 451
PHOENIX	108 118 186 226 264 274 276 297 310 351 397 400 453
PHONOLA	108 186 208 271 297 351 397 400 408 451
PILOT	105 108 109 129 186 303
PIONEER	108 144 146 186 187 198 207 264 274 276 280 310 327 414 416 417 274 276
PIONIER	
PLANTRON	108 124 170 186
PLAYSONIC	153 287 400
POLICOM	117 158 207 229 295 297 310 414
POLYRON	170
POPPY	124
PORTLAND	109 119 129 242 321
POWERPOINT	251
PRANDONI	207 209 264 279 284 296 376 381 393 395
PRINCE	398
PRECISION	153 400
PREMIER	124 264
PRIMA	124 142 170 196 231
PRINCE	264 395
PRINZ	118 207 225 226 305 311 405
PRISM	111
PROFEX	124 207 264 296 310 376
PROFI	124
PROFITRONIC	108 186 229
PROLINE	108 118 186 212 226 359 445 446 451
PROSCAN	105 110
PROSONIC	108 114 124 186 236 242 274 287 300 321 400 422 209 229
PROTEC	
PROTECH	108 124 153 170 174 186 192 223 229 264 276 300 305 310 393 400 405 410
PROTON	122 129 160
PRO-VISION	108 186 246
PULSAR	127 129

Manufacturer	Setting Numbers
PULSER	213 225
PYE	108 186 231 242 271 297 305 321 351 397 408 451 108 124 321 351 451
PYMI	
QUADRA VISION	220
QUASAR	111 114 124 145 179 229 393 395
QUELLE	108 124 125 153 170 185 186 187 192 198 203 207 209 210 211 260 261 264 268 270 273 277 278 279 295 298 299 300 305 312 345 347 357 365 366 367 369 372 378 379 381 382 384 385 393 396 397 400 405 414 434 435 436 437 453 107
QUESTA	
R LINE	186 310
RADIALVA	108 154 186 264 310 414
RADIO SHACK	105 106 109 110 115 129 139 145 160 162 196
RADIOLA	108 153 186 271 397 408 430 451
RADIOMARELLI	108 186 229 264 271 284 297 308 351 390 393 395 409
RADIONETTE	264 372
RADIOSHACK	108 186
RADIOTONE	108 124 170 186 223 231 274 280 300
RADIX	198
RANK	295
RANK ARENA	107 295 316 317 318 319
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RCA	110 111 128 129 130 135 359 417
REALISTIC	105 106 109 115 129 139 145 160 162 196
RECOR	108 186
RECTILIGNE	108 186
REDIFFUSION	107 207 264 273 407 409
REDIFFUSION (UK)	264
REDSTAR	108 186
REFLEX	108 186 246 300
REKORD	259
REOC	287
REVOX	108 186 274
REX	117 144 170 175 209 212 264 310 361 364 393 408 411 118 170 186 226 228 274 276 280 297 313 351
RFT	
RHAPSODY	152 165 166 400
RICOH	108 186
R-LINE	108
ROADSTAR	108 124 154 170 174 186 223 246
ROBOTRON	297
RODEX	108 186
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SABA	144 191 205 207 209 264 271 284 297 310 351 354 357 359 395 398 414 416 417 418 419 420 454
SACCS	401
SAGEM	174 239 289
SAISHO	124 125 141 153 170 210 264 284 310 345 397 400
SAIVOD	108 186
SAKAI	310
SAKIO	170
SALORA	144 155 192 196 198 204 207 209 225 264 265 266 267 268 269 277 284 291 292 304 305 306 307 309 310 311 312 405 406
SAMBERS	229 279 284 296 357 376 381 395 398
SAMPO	105 106 109 340
SAMSUX	109
SANDRA	152 153 400
SANELA	401
SANSEI	182
SANSUI	108 183 186 236 289 302
SANTON	124
SANYO	107 108 118 123 124 125 139 143 153 164 186 196 197 198 225 226 261 264 271 274 276 298 304 309 310 313 320 324 325 326 332 345 347 357 367 372 397 400 443
SAVE	108 186
SBR	108 186 451
SCHAUB LORENZ	191 207 209 242 264 276 285 287 288 305 381 405
SCHNEIDER	108 124 153 154 170 186 207 236 246 253 257 262 264 271 287 300 305 308 310 361 364 375 386 393 397 400 404 405 408 416 423 430 438 451
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SCOTCH	160
SCOTLAND	310
SCOTT	129 157 160 161 162
SEARS	110 113 115 129 139 142 143 149 160 161 196
SEG	107 108 124 153 170 186 192 228 229 246 251 264 296 300 305 308 310 376 393 397 400
SEI	108 117 141 185 186 191 211 229 264 284 297 305 310 351 357 405 411
SEI-SINUDYNE	108 117 186 207 209 210 211 229 284 297 402
SELECO	117 144 170 175 190 192 209 212 221 222 243 264 273 308 310 361 364 408 411
SEMIVOX	162
SEMP	142
SENCORA	124
SENTRA	124 142 154 264 294 305
SERINO	239 289
SHARP	106 107 108 109 112 130 145 164 211 284 326 347 433
SHINTOSHI	108 186
SHIVAKI	108 133 186 242
SHOGUN	129
SHORAI	161 211
SIAM	108 191 229 262 264 271 284 297
SIAREM	310 351 357 395 398
SICATEL	220
SIEMENS	107 108 109 150 151 169 186 191 207 264 347 357 365 366 369 434 436 453
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SIESTA	274
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SILVA	108 186 207 400
SILVER	107 108 161 170 186 207 264 288 289 310
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SKYWORTH	449
SLX	300
SOGERA	208 453
SOLAVOX	106 108 109 118 144 186 207 226 264 310
SONAWA	154
SONIKO	108 186
SONITRON	153 196 198 274 304 400
SONNECLAIR	108 186
SONOKO	108 124 153 170 174 186 397 400
SONOLOR	144 174 185 196 198 207 220 264 310
SONTEC	108 124 186 211 274
SONY	107 108 125 172 185 186 229 324 326 330 345 437 439
SOUND & VISION	108 154 186 229 242 321
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SOUNDESIGN	129 160 161 162 167
SOUNDWAVE	108 186 223
SPECTRA	124 233
SPECTRICON	122
SQUAREVIEW	149
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SSANGYONG	124
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STARLIGHT	108 124 170 264
STARLITE	108 124 162 170 186 231 310
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STERN	117 144 170 175 209 212 243 264 310 361 364 408 411
STRATO	108 124 170 186
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SUNIC LINE	108 186
SUNKAI	108 154 186 210 211 241 251 289 445 447
SUNSTAR	108 124 170 186 236
SUNWOOD	108 124 186
SUPERLA	153 284 400

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SUPERTECH	108 124 154 186 207 400
SUPRA	115 124 242 321
SUSUMU	154 417
SUTRON	124
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SYLVANIA	100 102 104 105 113 167 168 188
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TANDBERG	207 212 264 271 308 310 368 378 385 414 416
TANDY	118 130 144 153 154 226 264 310 393 397 400
TASHIKO	107 148 213 264 307 310 397 400 405
TASHKO	107 153
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TEAC	108 124 129 153 170 174 186 187 207 223 231 246 262 289 300 301 302 303 305 405
TEC	108 124 153 186 192 207 233 308 310 328 361 364 393 397 400 417
TECHICA	154
TECHLINE	108 124 186 229 300
TECHNEMA	208 403 453
TECHNICS	110 111 127 179
TECHNISAT	108 186 230 310
TECHNOLACE	161
TECHWOOD	111 115 122
TECNIMAGEN	108
TEDELEX	108 124 153 186 196 285 400
TEIRON	124
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TEKNIKA	161 162 167
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TELECO	235
TELECOR	108 153 154 186 264 310 400
TELEFUNKEN	108 115 186 276 328 354 356 359 414 416 417 418 419 420 431 435 437 454
TELEFUSION	108 186
TELEGAZI	108 154 170 186 264 310
TELEMEISTER	108 186 208 403 453
TELESONIC	108 186
TELESTAR	108 186 231
TELETECH	108 124 186 300 393
TELETON	107 117 153 167 209 264 305 310 400 405 411
TELEVIDEOEN	208 264 310 397 400 453
TELEVIEW	108 186
TELEVISO	220
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TEMCO	211
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TENNESSEE	108 186
TENSAI	108 124 153 154 186 203 208 211 224 236 242 288 298 299 310 321 372 393 397 400 403 453 124
TENSON	235
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TETUNG	108 124 186 300
TEVION	124 152 153 154 242 321 397 400
TEXET	213 225
THOMAS	108 158 186 210 245 305 328 354 359 405 414 416 417 419 420 430 432 454
THOMSON	108 118 142 185 186 187 197 198 207 213 215 226 227 242 290 294 298 307 321 353 367 369 401 405 417 435 437
THORN	170 185 207 227 294 298 373 379 414 417 431
THORN-FERGUSON	
TMK	115 129 141 160
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TOKYO	294 400
TOMASHI	154 174
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TOSONIC	166
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TRANSTEC	400
TRIAD	108 186
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UNIC LINE	108 186 281 289 305
UNITED	108 186 287 288
UNIVERSAL	101 103
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UNIVOX	108 186 264 297 310 351 401
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VISION	108 153 186 208 403 453
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VOXSON	108 144 186 209 223 264 271 296 297 310 351 376 381
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WATSON	108 124 154 186 208 246 264 300 310 365 403 453
WATT RADIO	192 207 229 262 264 305 310 397 400 405
WEGA	107 108 186 264 297 351
WEGA COLOR	271 349

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WEGAVOX	108 124 186
WELTBlick	108 153 186 453
WESTINGHOUSE	211
WESTON	108 186 308
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WHITE WESTINGHOUSE	108 152 186 196 208 397 400 403 453
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WINDY SAM	108
WINTEL	287
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XRYPTON	108 186
YAMAHA	105 129
YAMISHI	108 153 154 174 186 289 400
YOKAN	108 186
YOKO	108 124 153 154 170 186 233 274 304 309 393 397 400
YORK	198 154
ZANUSSI	117 153 175 209 264 361 400 408 411
ZENITH	119 126 127
ZENOR	304
ZONDA	122
ZOPPAS	264 361 408

Product Specifications

Item	Description
Model Name	SMT-C7140
Receiver	DVB-C
Input Connector Type	IEC female in accordance with IEC 60169- 2
Input Impedance	75 Ω
Broadcasting Rx Frequency	47~870 Mhz
Broadcasting Rx Level	-15~+15 dBm (average power)
Type of Broadcasting Rx Modulation	Quadrature Amplitude Modulation
Channels Bandwidth	7 and 8 Mhz
Output Connector Type	IEC male in accordance with IEC 60169- 2
Audio Output Port	Stereo (left/right): 1 port
	Digital Audio (SPDIF): 1 port
Video/Audio Concurrent Output Port	- HDMI output: 1 port - SCART: 2 port (TV/VCR)
USB	USB 2.0 2 port (front/rear)
Rated Voltage, Frequency	AC 230 V ±15%, 50 Hz
Rated Power Consumption	Max. 30 W
Operating Temperature	0~40°C
Operating Humidity	20~80% (40°C)
Dimensions (mm)	350 (L) × 260 (W) × 35 (H)
Weight	2,495 g

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Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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